

THE ADVENTURES OF ARCHIBALD HIGGINS

THE ECONOMICON

Jean~Pierre Petit



Translated by John Murphy

The Association Knowledge without Borders, founded and chaired by Professor Jean-Pierre Petit, astrophysicist, aims at spreading scientific and technical knowledge in as many countries as possible and in as many languages as possible. To this end, all his popular scientific works, which cover a period of thirty years, and more particularly the illustrated albums he has created, are now freely accessible. Anyone is now free to duplicate the present file, either in digital form or in the form of printed copies and circulate these copies to libraries, within the context of schools or universities or associations whose aims would be the same as the association, provided that they do not derive any profit from this circulation and that they do not have any political, sectarian or confessional connotations. These pdf files may also be put on line in the computer networks of school and university libraries.



Jean-Pierre Petit intends to create numerous other works which will be accessible to a larger audience. Even illiterate people will be able to read them because the written parts will “speak” when the readers click on them. Thus it will be possible to use these works to support literacy schemes. Other albums will be “bilingual” in so far as it will be possible to switch from one language to another selected language with a mere click. Hence another tool made available to develop language skills.

Jean-Pierre Petit was born in 1937. He made his career in French research. He worked as a plasma physicist, he directed a computer science centre, he has created softwares, he has published hundreds of articles in scientific magazines, dealing with subjects ranging from fluid mechanics to theoretical cosmology. He has published about thirty books which have been translated in numerous languages.

The association can be contacted on the following internet site:

<http://savoir-sans-frontieres.com>

The translation of this comic book from French to English was sponsored by :

Yvé MARC-AMELIEN

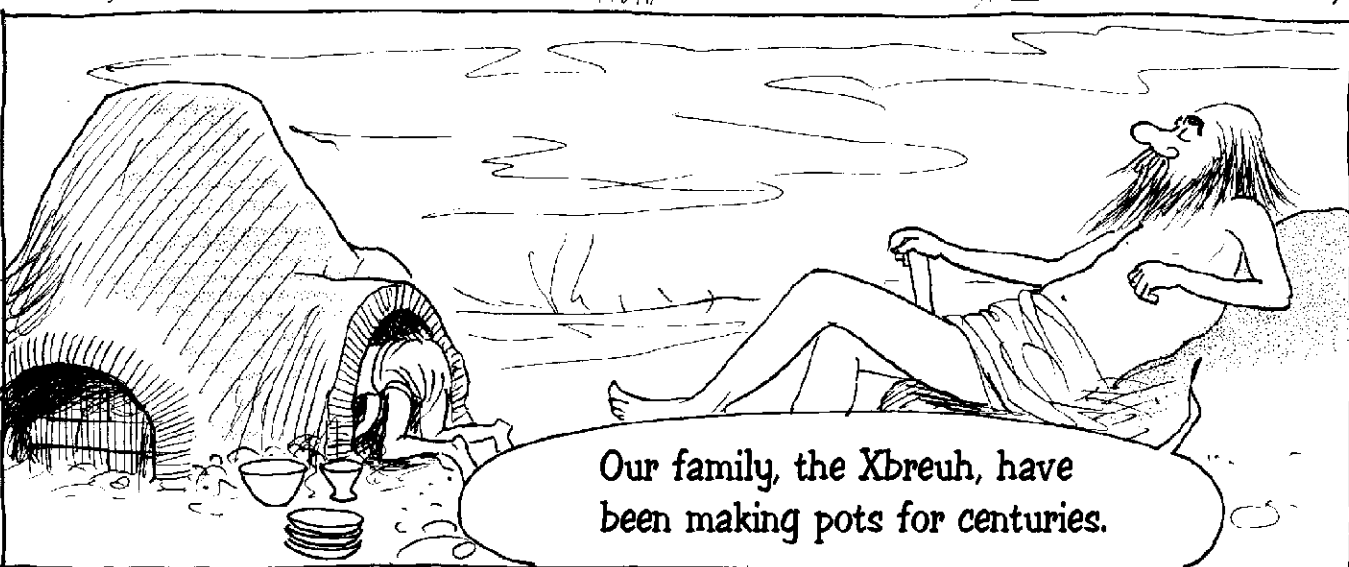
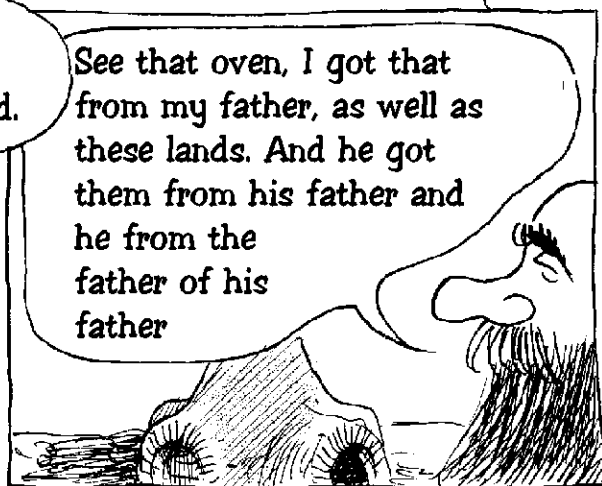
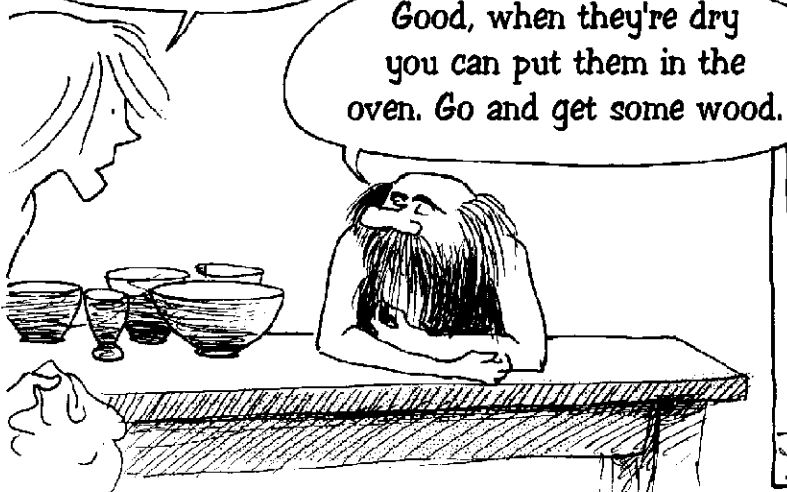
from Paris, France

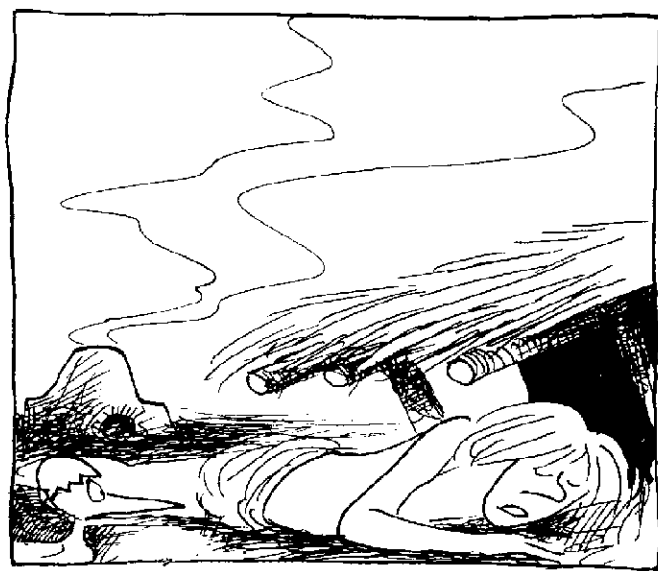
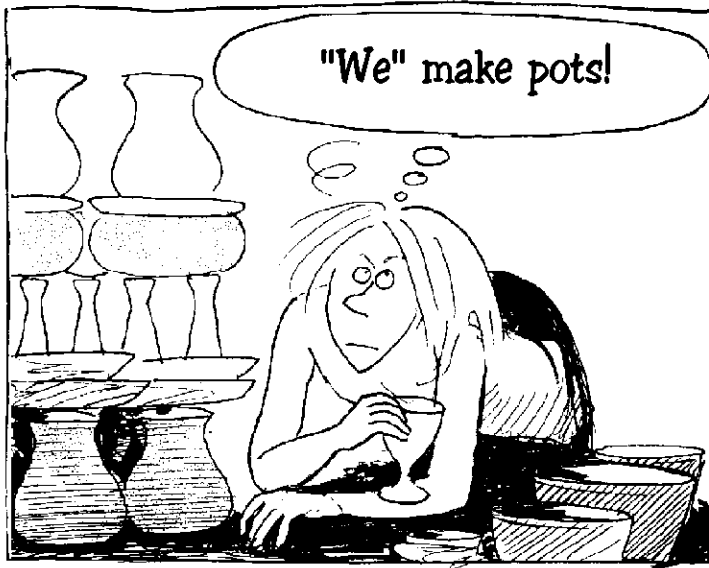


marc-amelien.yve@laposte.net

PROLOGUE

Once upon a time in Borderia...





EXCHANGE


Come on, four fish for a pot.

No, six!


They'll be a while
SETTING THE RATES.
You OK?



Pah, it's me that catches the fish for him.



and he leaves me just about enough to avoid dying of hunger. But what can I do? The river belongs to the caste of Kroumirs, and I'm just a Teuhl. According to the LAW, only the Kroumirs can exploit the river that the god Kefal gave them.



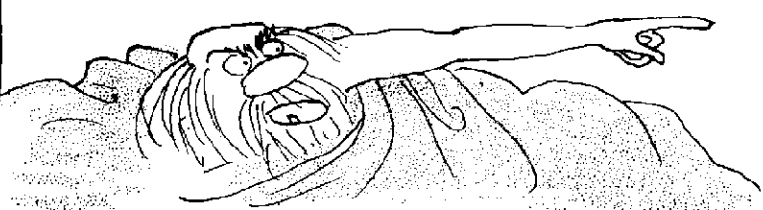
Yes I know, we've got a similar thing in Borderia.



Here!

Life continued in this way. The Borderians who knew how to make pots exchanged them with the Kroumirs for fish. The Poloks from the south brought them salt. With the salt they could salt the fish and put them in pots which allowed exchange with the Poloks. As for the Poloks...

ONE DAY...



Damned rheumatism! You'll have to go alone to the Kroumir with the pots. But so as they don't cheat you, I'm going to teach you to COUNT.



To what?

ACCOUNTING

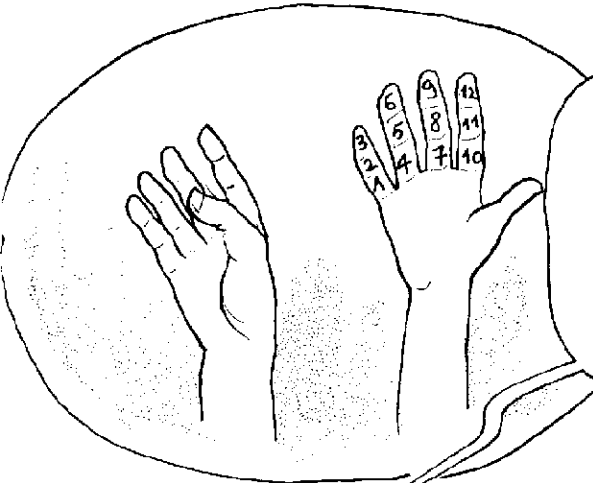
I'm going to teach you the SECRET OF FINGERS. Listen, stupid, can you see your hands? There are fingers on them aren't there? And each finger includes joints?



I shouldn't be teaching you this but if I don't, the Kroumir will cheat you like a blind kid at a poker party.



And I don't like to be cheated.



Watch. See, you use your thumb to indicate the joints in this order. When you've finished that makes a dozen. Use tree bark to mark all that.



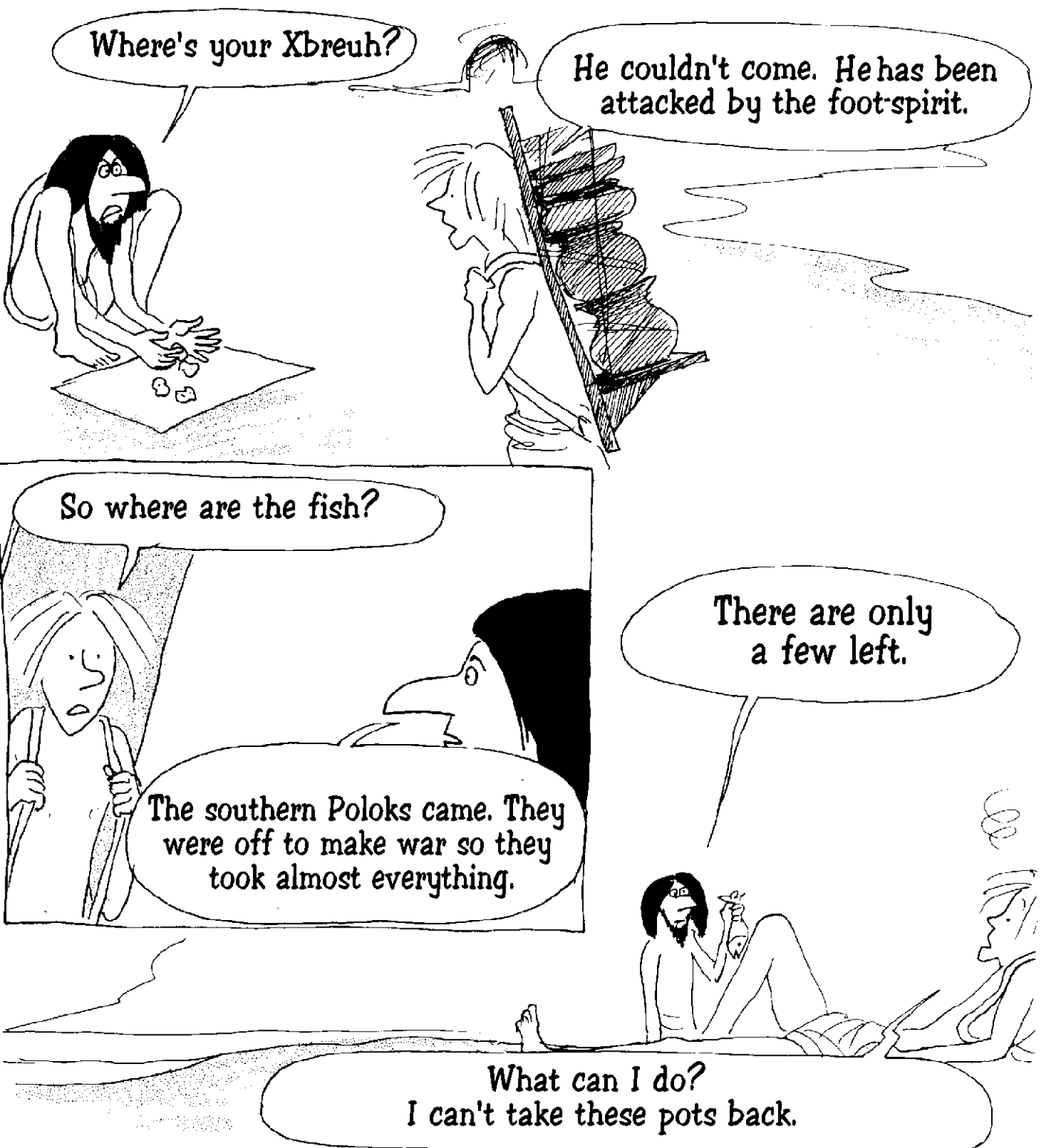
Off you go, and don't reveal the secret to anybody, if not the god Wal will punish you and you'll be obliged to explain yourself to me!...



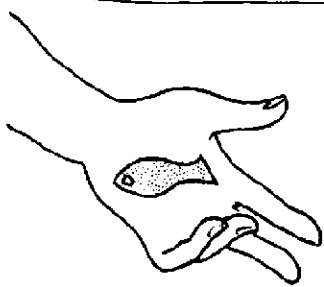
And if you cheat me I'll have you flayed.



THE BIRTH OF MONEY



I've got something better. See those small iron objects? Each REPRESENTS a fish.



I can see that but what will I tell my master If I take him small objects instead of fish?

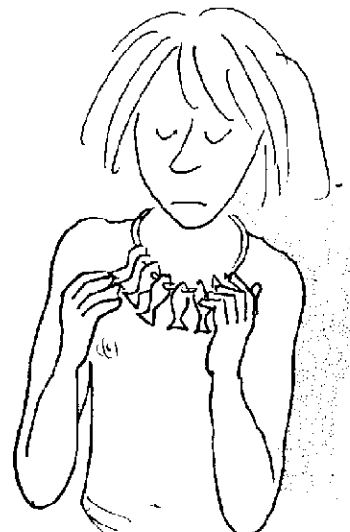
These iron fish are very popular you know. The southern Poloks exchange them for food sometimes. Hunters know how to make arrowheads out of them and it seems that they can make lots of other things if you melt them.



Sorry, but I don't TRUST them. They're pretty small and I'll get beaten.

Well how are you going to do your accounts with your pots? This system will simplify your life, one fish, one object, one fish, one object.

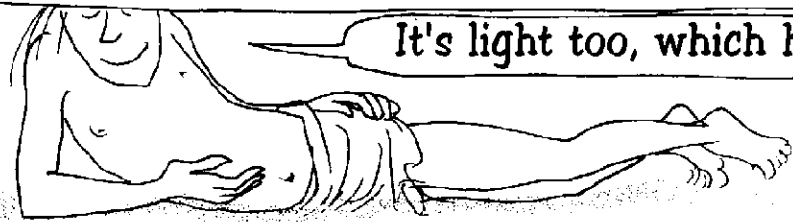
That way you won't make a mistake. As well as that you can make a necklace and then you won't lose any on the way back! (*)



COMMERCE



So money allows transactions to be made without needing to directly exchange products that may need to be consumed immediately. The Xbreuh uses pieces of metal to change his pots of meat for alcohol, by accepting to temporarily hold objects that can't be used directly but can be used as a token of exchange, MONEY



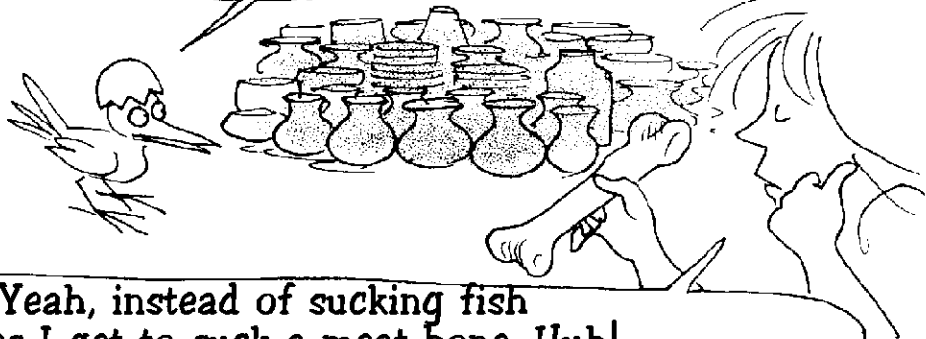
It's light too, which helps

CONSUMER CIVILISATION

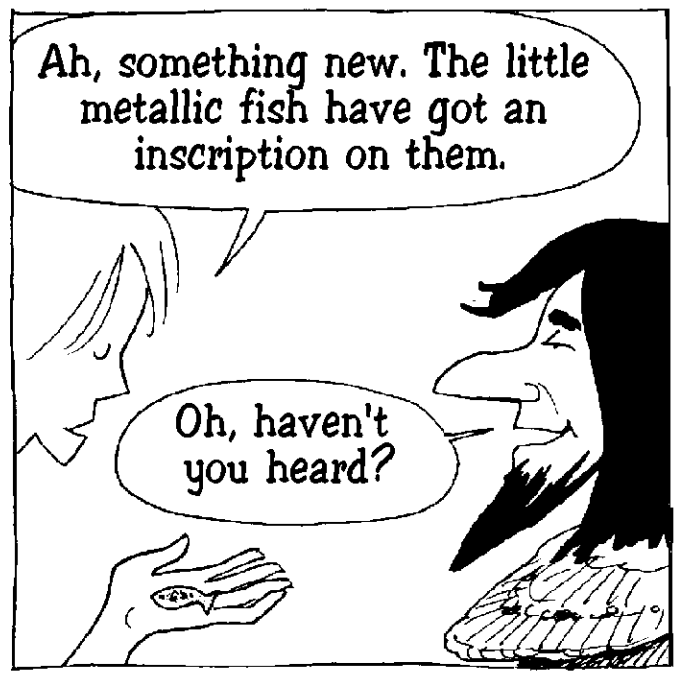
I've come to a decision. You'll have to make more pots, tons of pots, and instead of exchanging them for real fish, you can bring back those little objects instead. I'll buy meat with them, and a lot of medicine.



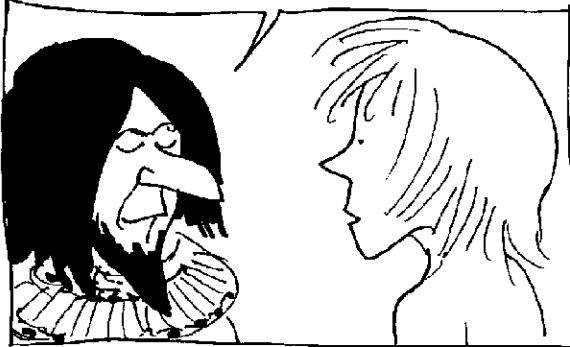
What good is it to you to make three times as many pots? Three times more than you NEED?



Yeah, instead of sucking fish bones I get to suck a meat bone. Huh!



The southern Poloks have been warring with just about anybody. In the end they annoyed King NUMIS who went after them and imposed his domination over the entire country. He found the idea of the little metal fish amusing so he took over the metal mines and the foundries. Now he has the exclusivity in this affair and he's putting his mark, his seal, on each piece.

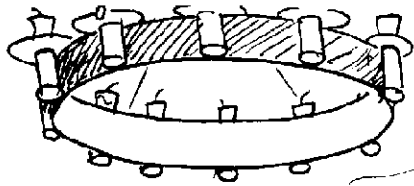


Just a detail:
Anyone who doesn't
is impaled!



THE MONEY SUPPLY

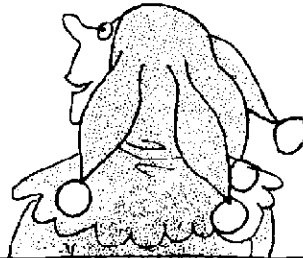
At the court of King Numis:



This invention of the Poloks, this **MONEY**, is a great idea. We can buy the entire world.



The earth sire?
Why not the universe?



Business is going well Sophia, I have very large orders from King NUMIS. He has decided to invite all the inhabitants of the earth to lunch. He wants incredible quantities of potted fish.



We'll have to intensify fishing, you'll have to weave a gigantic net so that we can trawl the lake!



As for Archibald, he had to make an incredible number of pots for the Xbreuh of Borderia.

That makes a hand of hands of hands (*)



You mean those arrowheads. We've got plenty already thanks. Our quivers are all full so we're really not interested.

And anyway, it's iron, just iron...



OK, If you insist. Four hands of arrowheads for a litre

But at the other end of the chain, among the Tayaks...

Two hundred litres of medicine for your foot-spirit! And what next?



But I can PAY for it, I've got money.

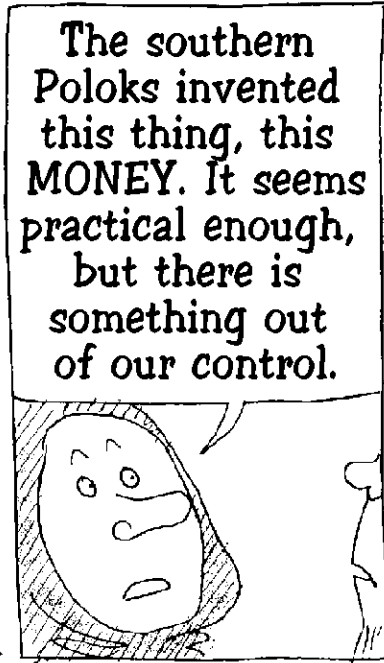
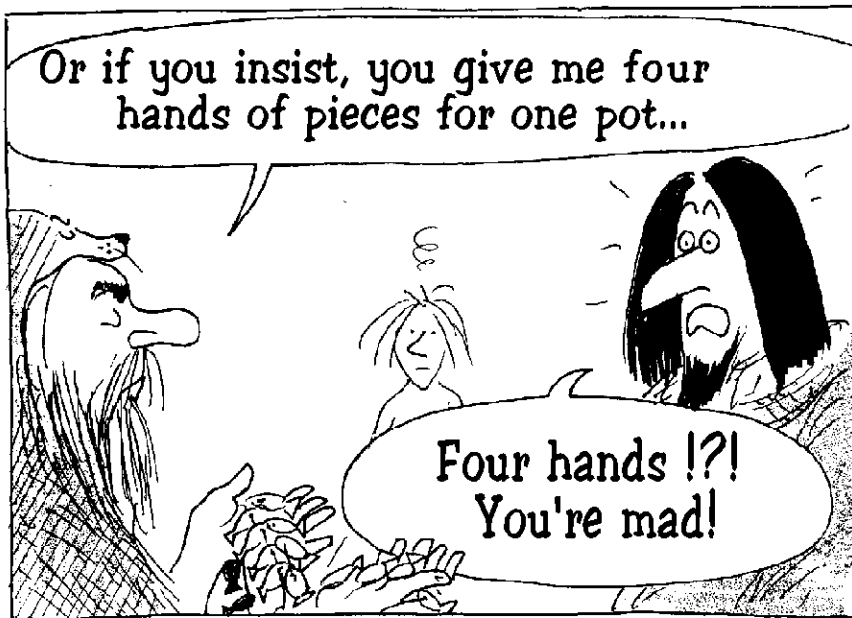
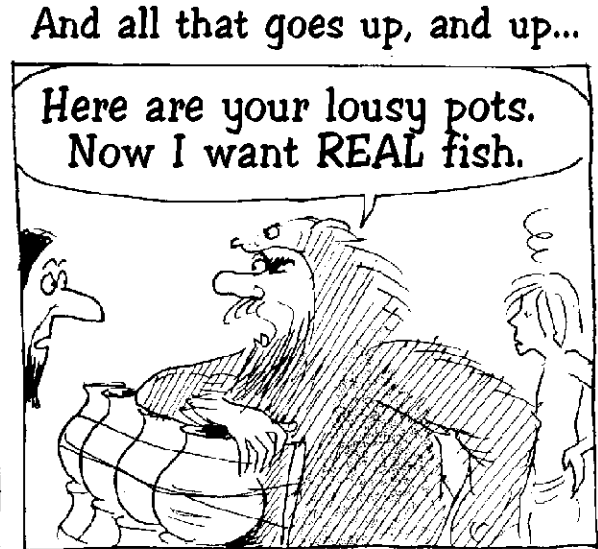
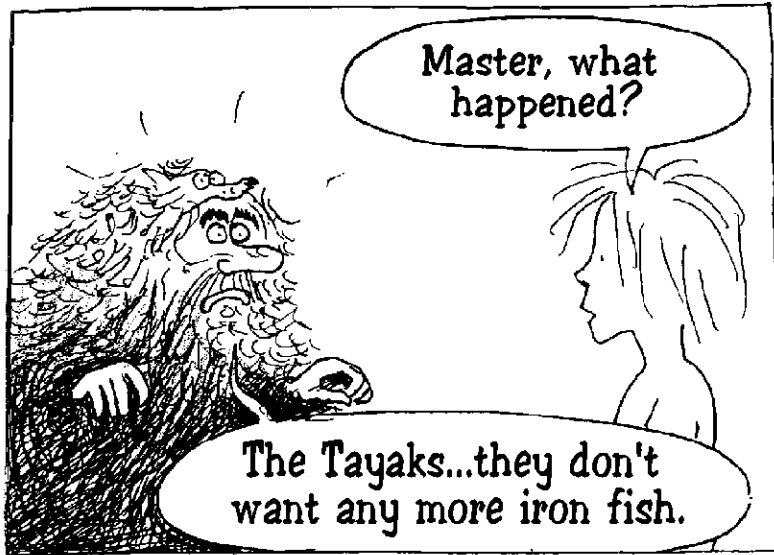
But you can't do that. It was one arrowhead a litre before! I can make you stick to this rate you know.

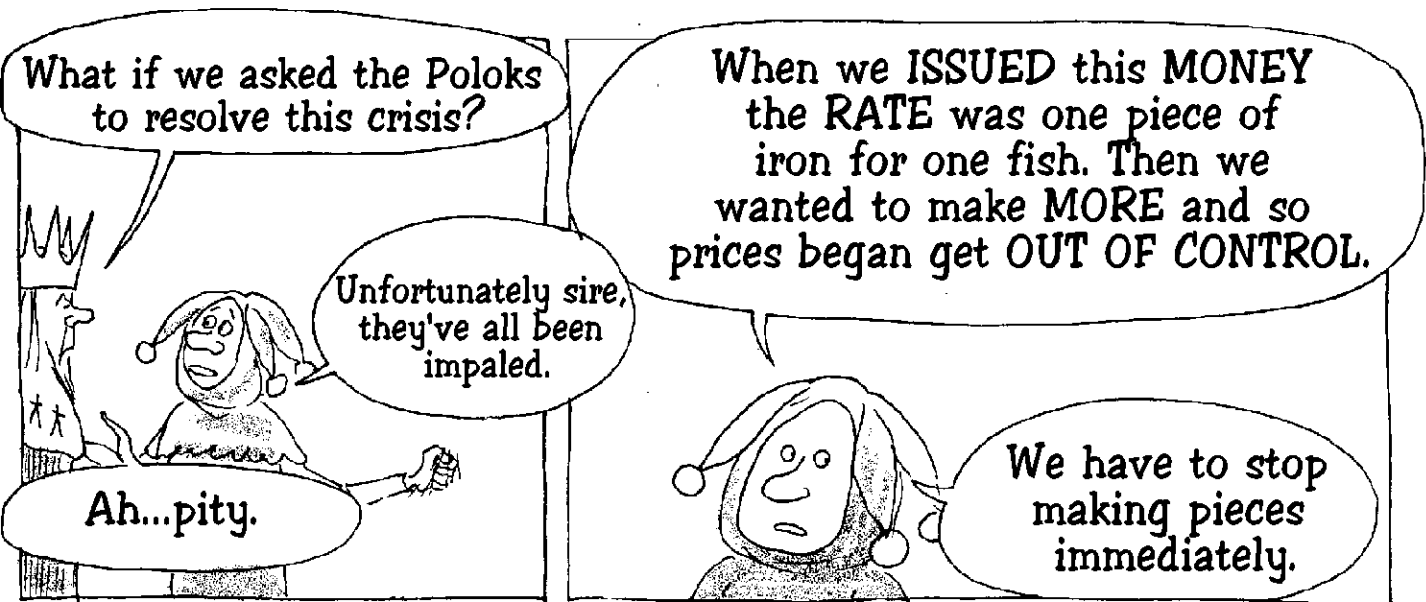


Oh really? Go and get the resin and chicken feathers lads.

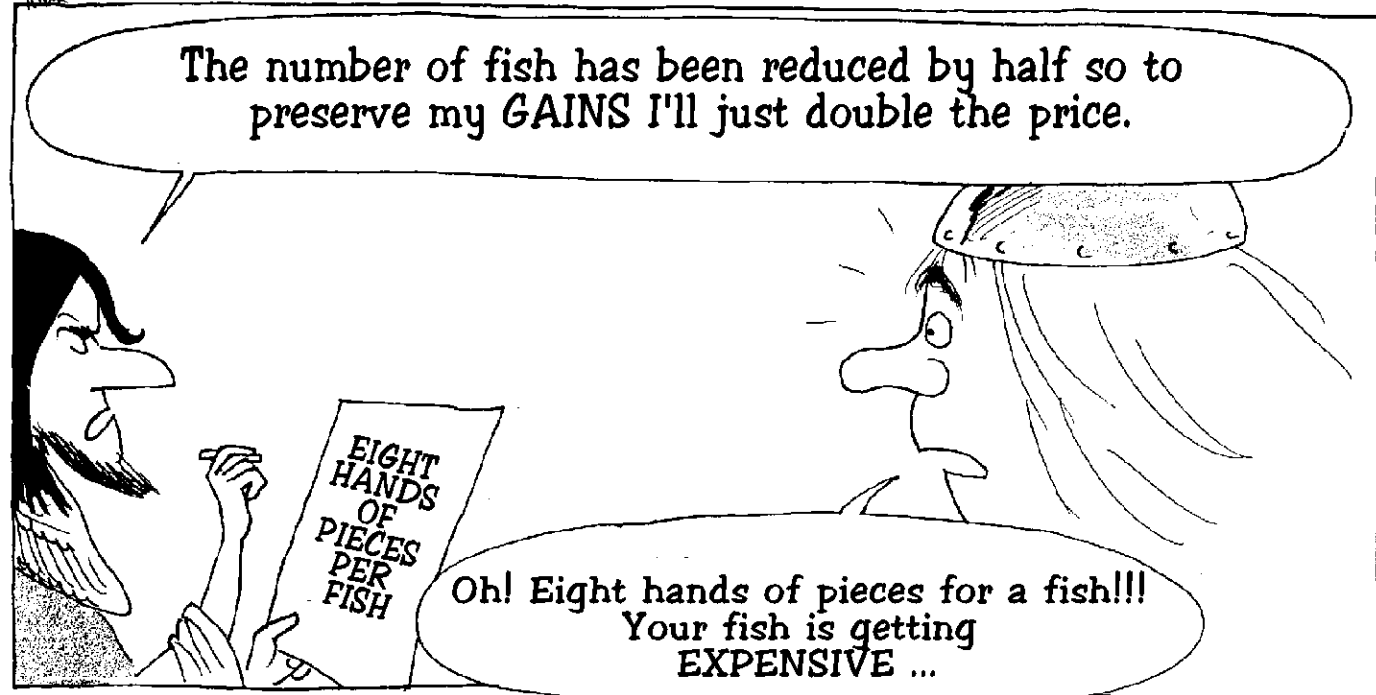
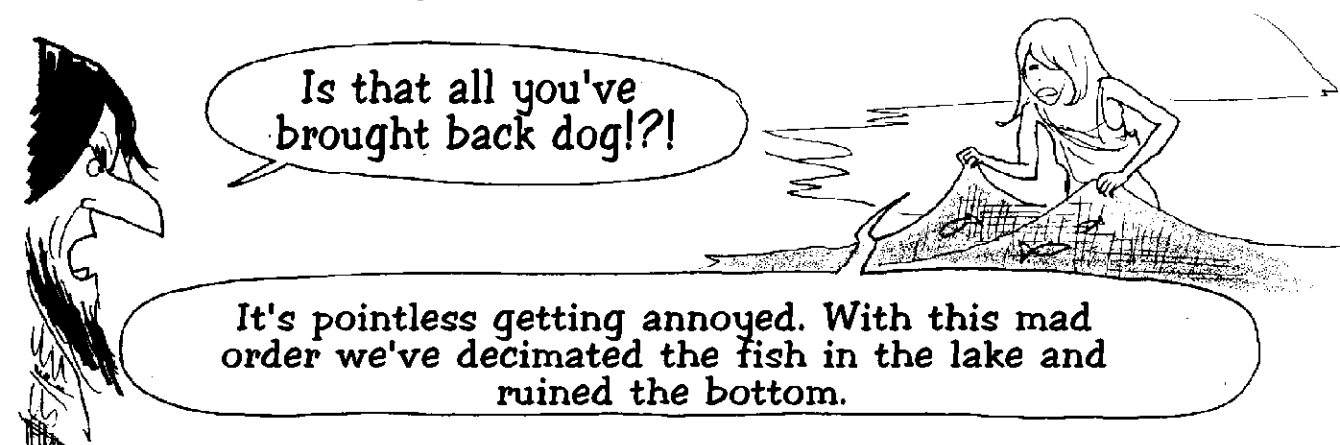
(*) $12 \times 12 \times 12 = 1728$

(A hand contains twelve phalanxes)



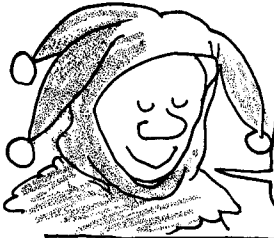


But in Kroumir's land, the prestige operation decided on by King Numis is having other consequences:



THAT WHICH IS RARE IS EXPENSIVE

Have you seen sire, fish is becoming so scarce that its price is climbing
RARETY INCREASES VALUE.



Perhaps we didn't make a good choice with our money.
Iron is becoming a common product, they make cart wheels out of it. Metallurgy is developing. We would be better making money with something that is **RARE**.

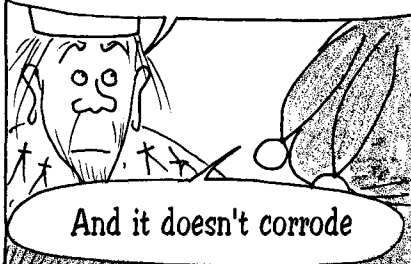
What do you suggest?



GOLD

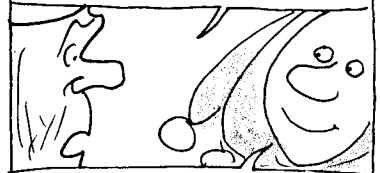


You're right. Gold is hard to produce, there will never be great quantities of it...



And it doesn't corrode

But one thing bothers me: this gold can't be **USED** for anything, it's a pretty soft metal.



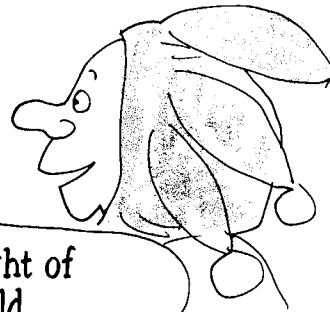
Why should it be able to be used for something?

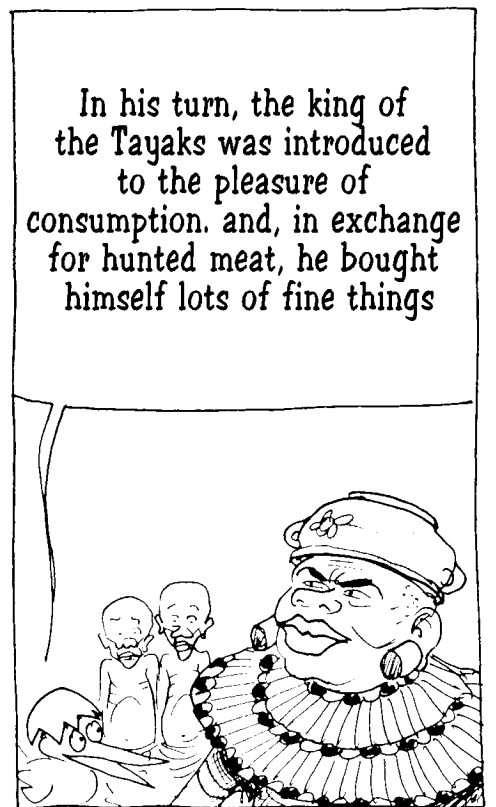
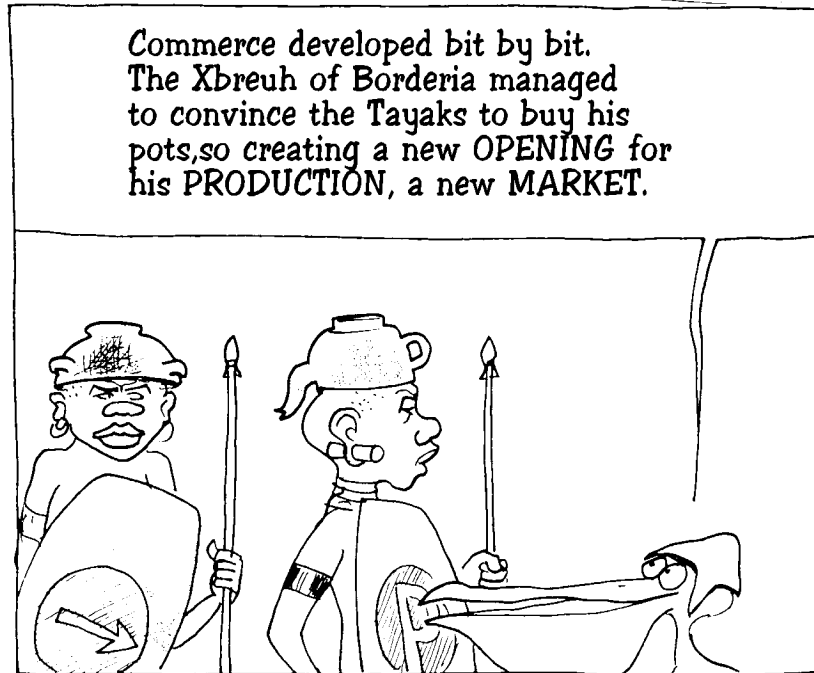
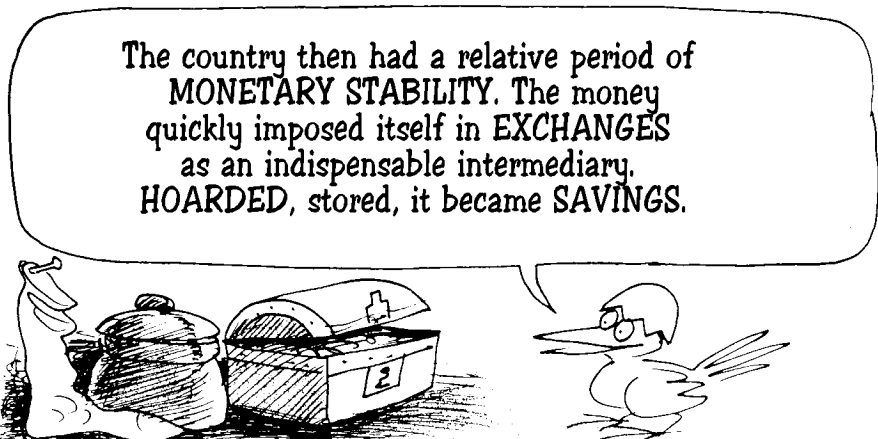
I don't know...iron can be melted.
You can make lots of **USEFUL** things out of it. Arrowheads, nails...



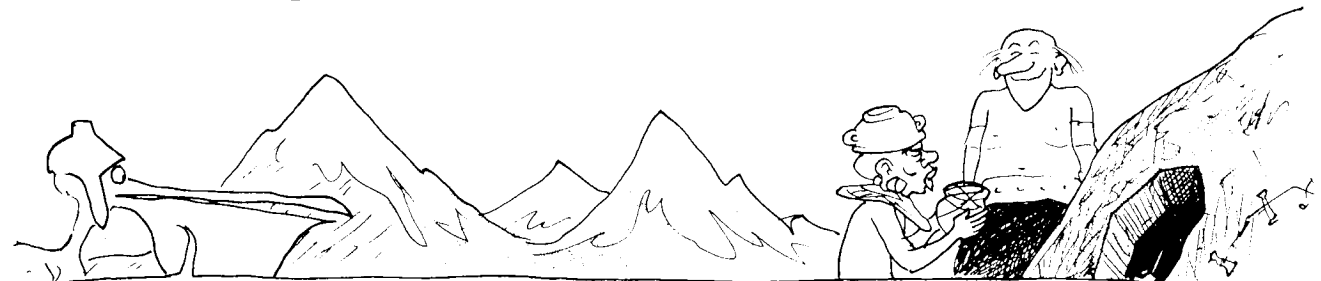
Objects of **CONSUMPTION**

Well I've thought of a use for gold...





BANKS



INFLATION THROUGH SUPPLY

Listen everyone! You who have been walking with bare heads, at the mercy of cosmic aggression, evil spirits, negative waves and the rays of the sun, you need to adopt the original Borderian hat, if you want to be ahead, get a **HEAD-COVERER!**



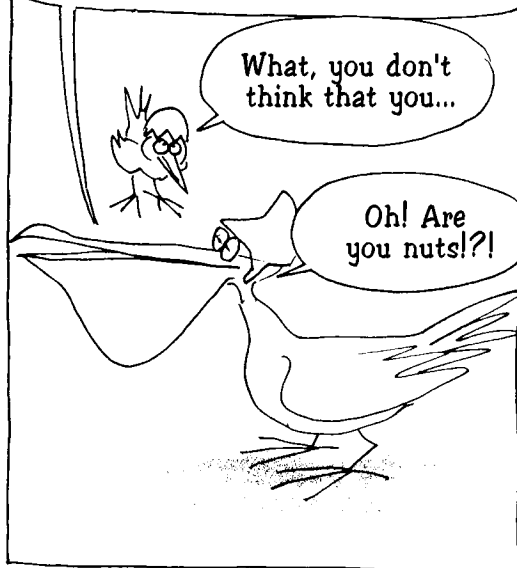
**HEAD-COVERER
ON SALE HERE**

Don't waste your time at the schooldesk. Our **GNOSOSOPHIC** hat will bring you all the knowledge you don't have by **TRANSCEREBRAL DIFFUSION.**



Archibald Higgins, here present, who was a complete ignorant, learnt the **SECRET OF THE FINGERS** thanks to our **HEAD-COVERER**

Phew, the Xbreuh certainly knows how to **ADVERTISE!**



What, you don't think that you...

Oh! Are you nuts!?!

Archibald my little one, business is booming!



Fifty gulbars brother!

There are only three left master!

Eh!?! OK. I mean
sixty gulbars!

But...you're
putting the price up?

Son, its the god Wal who fixes
prices and if people ask for
more then the price wasn't high
enough at the beginning!

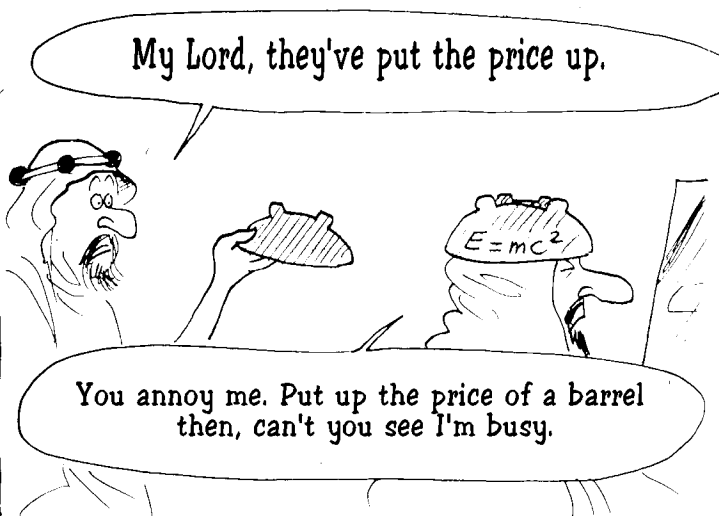
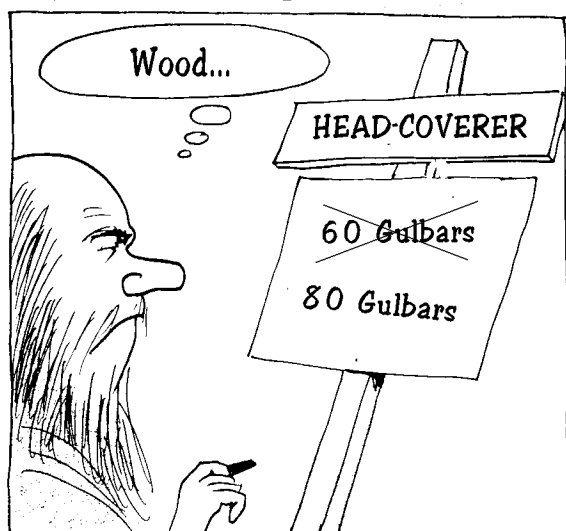
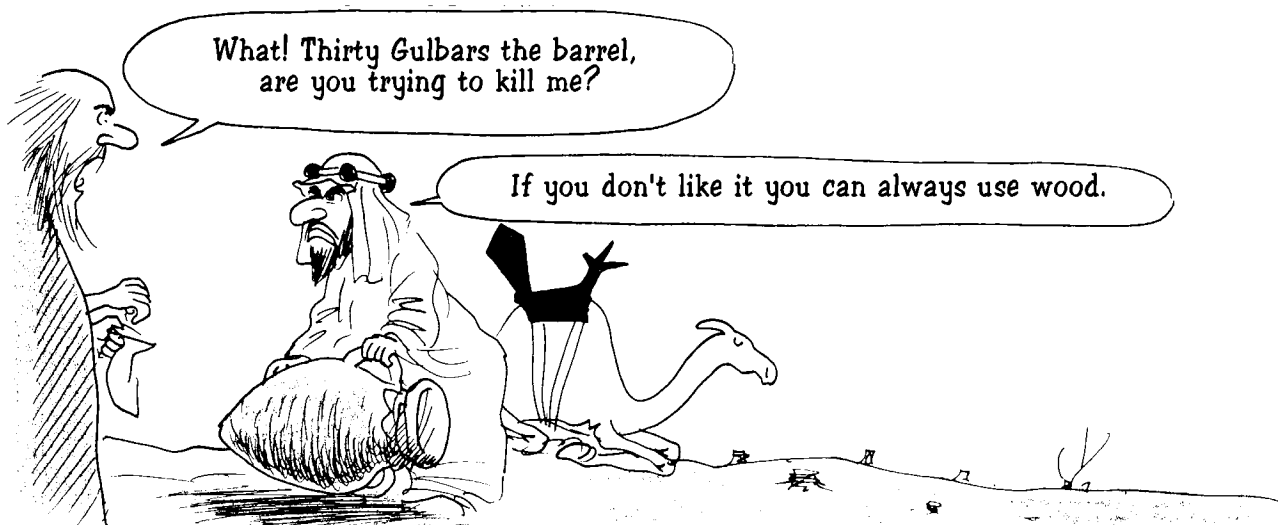
We've completely cleared the forest
to get wood to cook thes stupid pots.

I've worked it all out Archibald.
From now on we'll cook our pots
with this black oil, naptha.

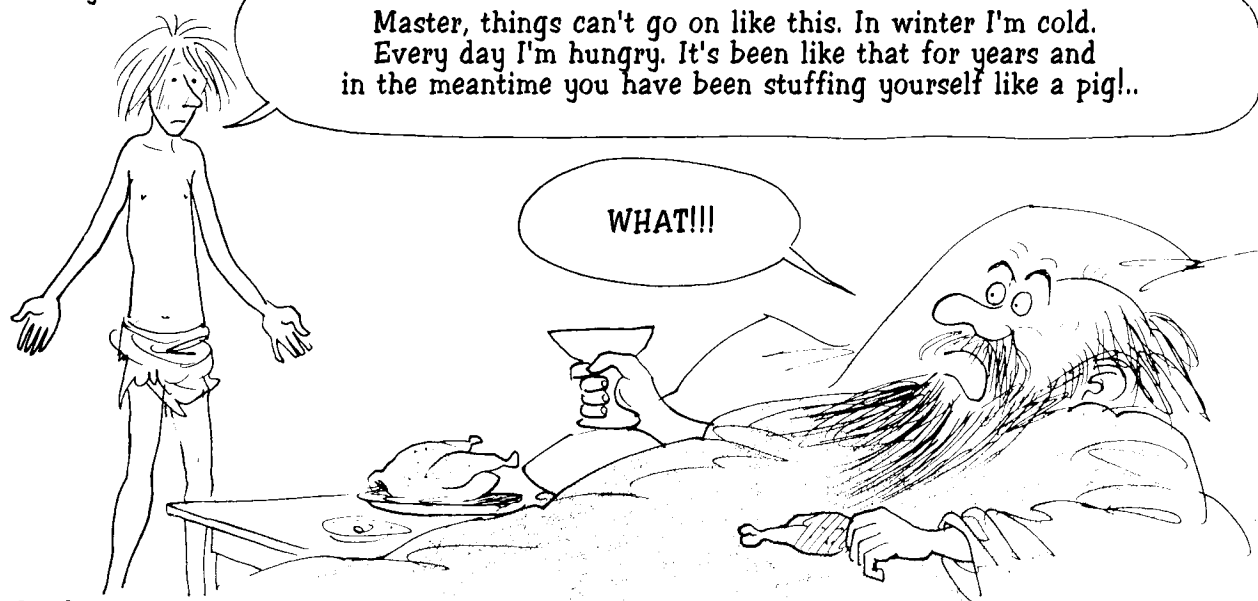
Eurgh! Awful smell!

Throw pots, don't worry
about anything else.

INFLATION BY COSTS



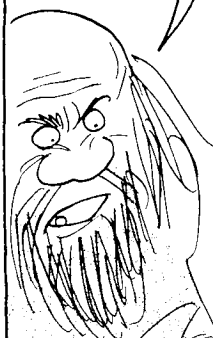
One day...



Ah, I see. That girl who works at the lake has been putting ideas into your head!..



Apparently over there they've formed a "cooperative" or something like that!



I want five gulbars per day...

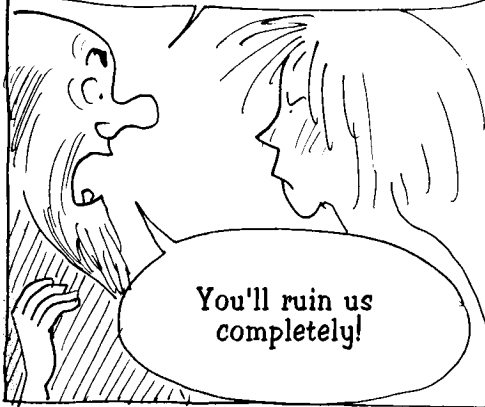
...and one day off each week

Do you want to ruin the business? I've already got the naptha to pay, its price is going up all the time.



All you need to do is drink less...medicine!

Five gulbars a day!
You're trying to murder me!



You'll ruin us completely!

Five gulbars per day



By Wal,
it's a bad dream.

Listen, if you work hard,
I'll be good later.

But what will you do
with so much money?



No, five
gulbars
right now!



I'll buy a shirt,
and some soap.



Ah, so that's it. First luxury
then debauchery, fornication!

You really get
on my nerves,
all I want is
a shirt!

I'm responsible for
you before Wal

I'll have to protect
you from yourself!

OK. If that's
the way it is,
you can make
your own pots!

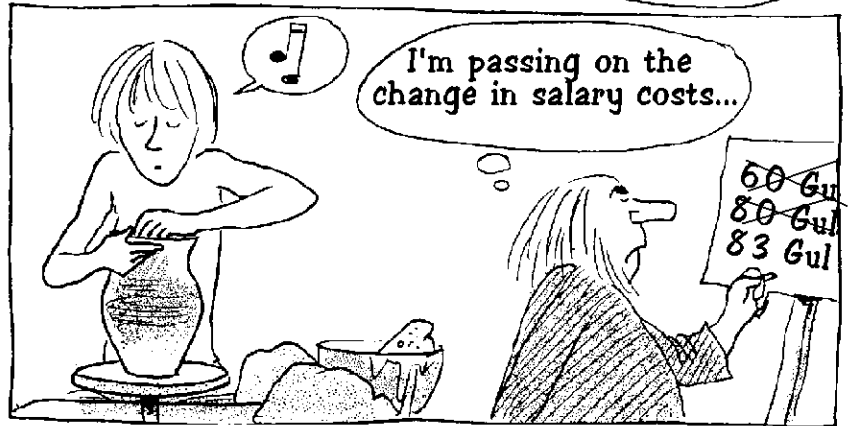
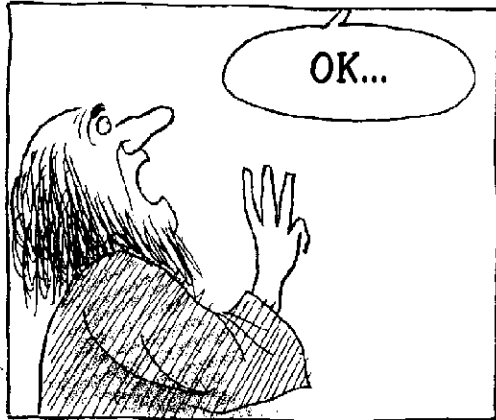
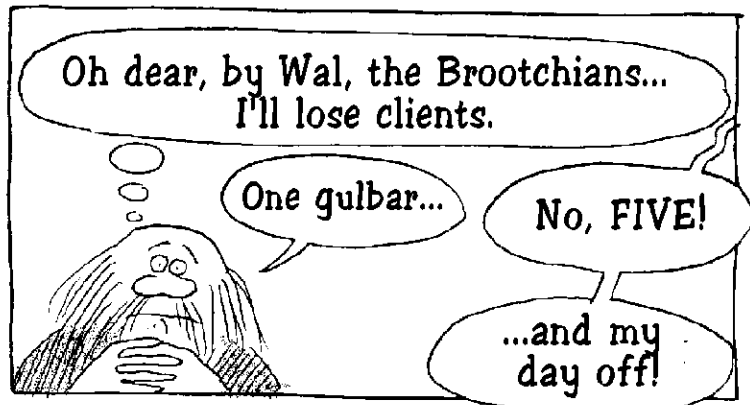
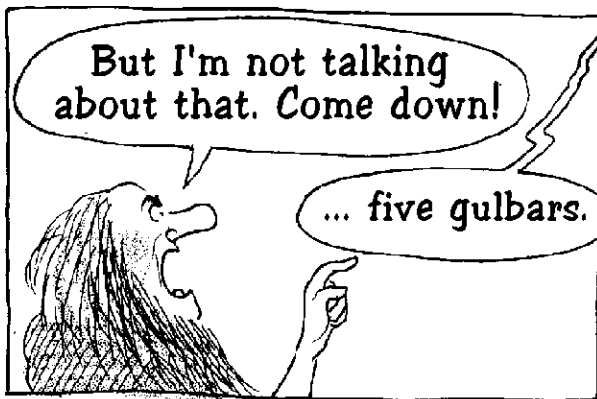
What ingratitude. He owes
me everything, I fed him....

Ah, my
medicine!

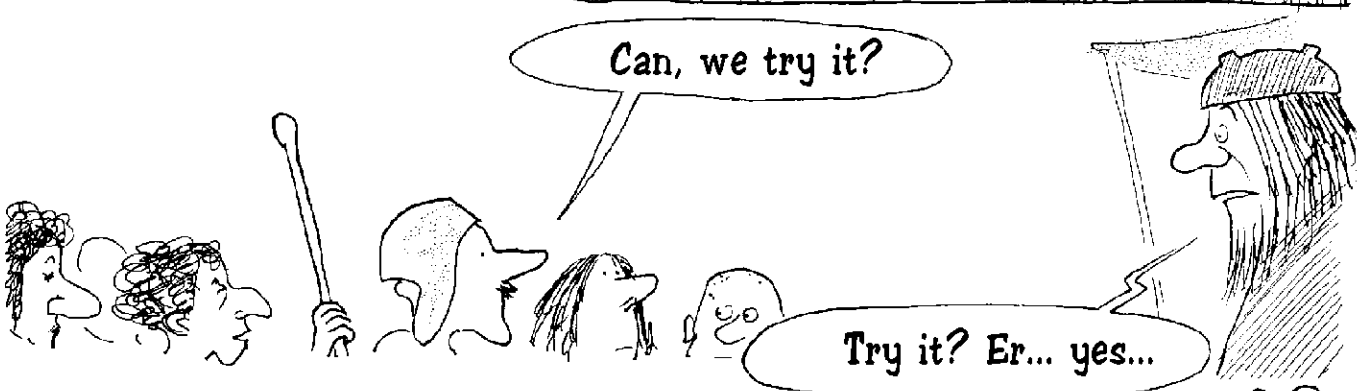
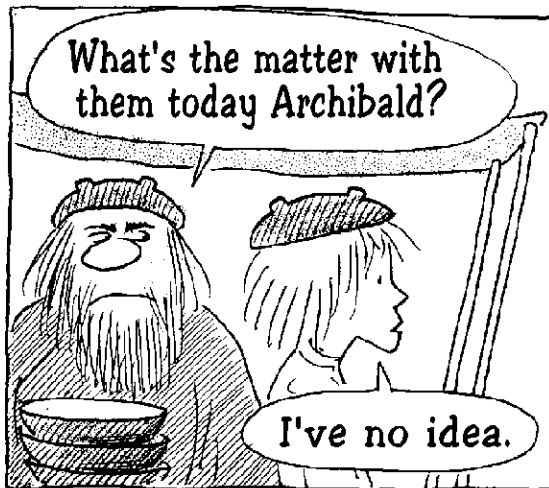
At dawn:

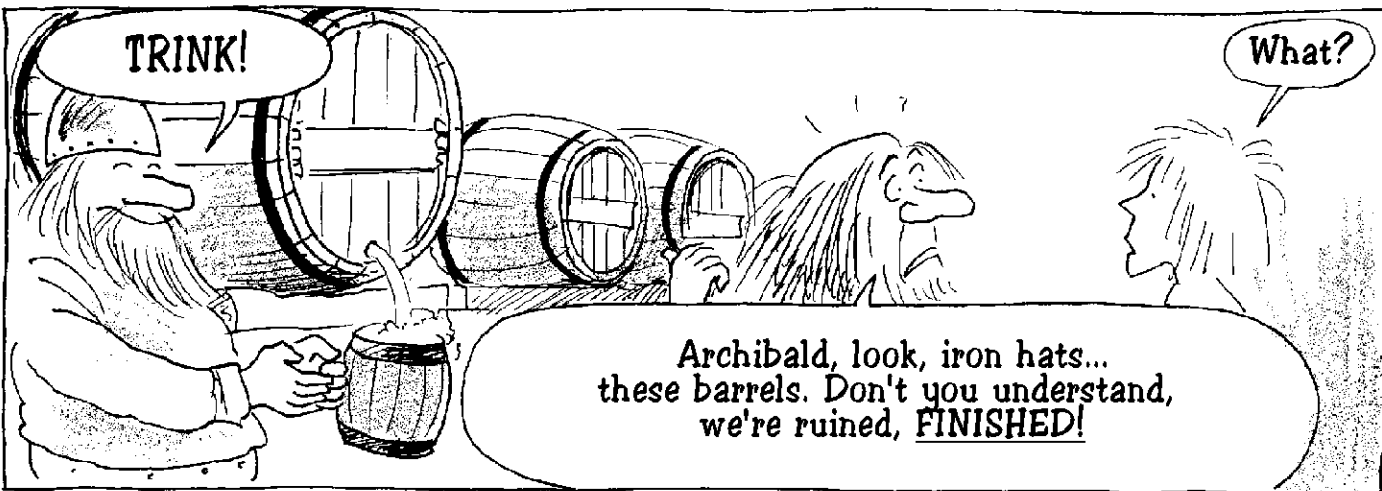
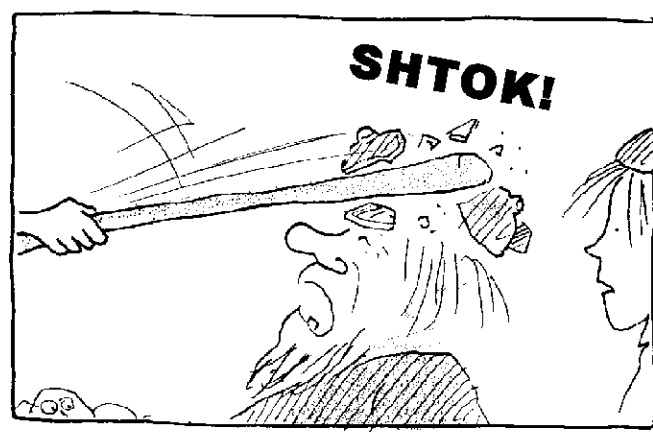
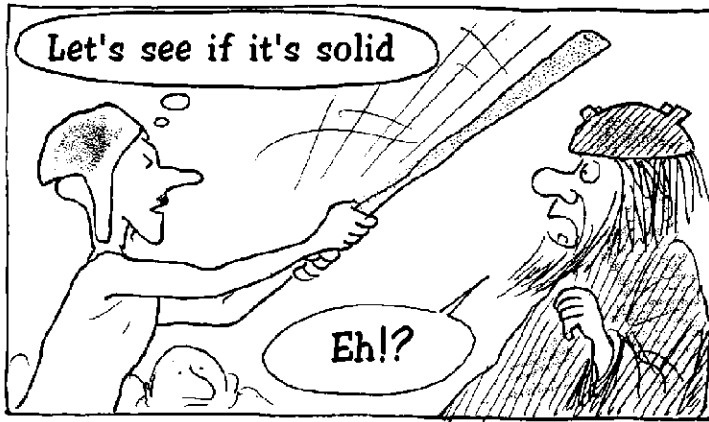
Archibald, come down quickly.
You need to make some head-coverers
for the Broothchians, they're
coming tomorrow...

I want five gulbars
per day and one day
off a week!

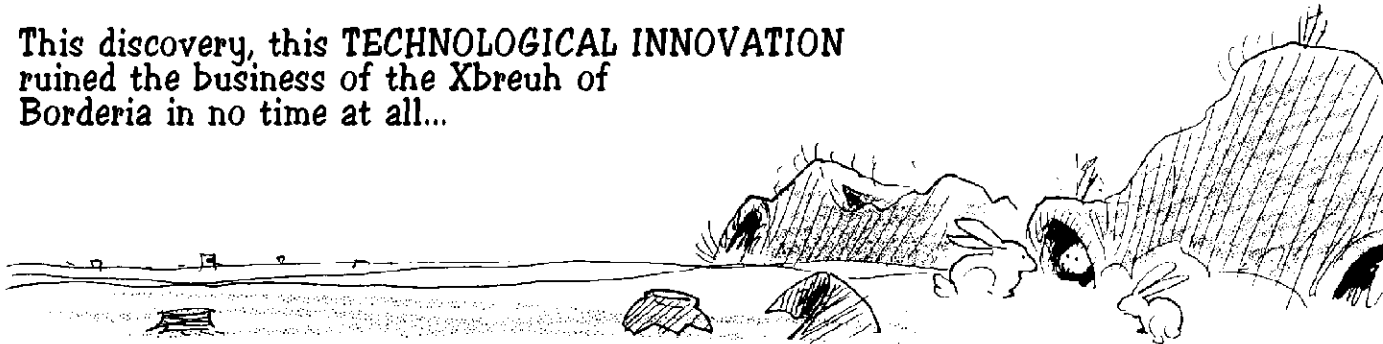


COMPETITION





This discovery, this **TECHNOLOGICAL INNOVATION** ruined the business of the Xbreuh of Borderia in no time at all...



THE EMPLOYMENT MARKET

What's that? You're a potter. Not interested. Can you count?

That's numbering in base twelve. We count in decimals now old fellow!..

With all these modern techniques we can't keep up.

Archibald found himself on the arid road of UNEMPLOYMENT, while Sophia, on the banks of the lake..

MATKOBOWSKA. Since we killed the Kroumir and took possession of the lake, what has happened?

Us fishers have contined to do all the work and in the meantime we've seen a whole band of parasites turn up, so we're really no better off.

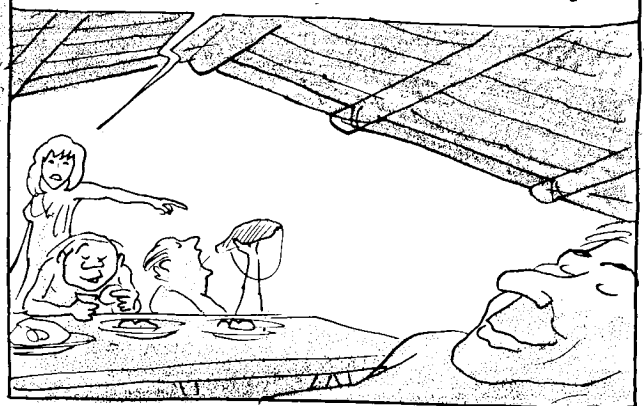
It's wonderful our Kooperative!

Comrade : You shouldn't say that. The KOLLECTIVE is a combat.
Here you are fighting on the production front, but others are
fighting in the fields of POLITICAL CONSCIOUSNESS and on the
PLAN. We live in a PLANNED ECONOMY (*)



Yeah right! Just come and have a look
at your heros of political consciousness!

Look at them stuff themselves and sleep!



They're not stuffing themselves, they're
tasting. It's quality control.
You've got a warped mind!



Quality control
my eye!

For ONE who is really
working there are TEN
doing nothing or sleeping.

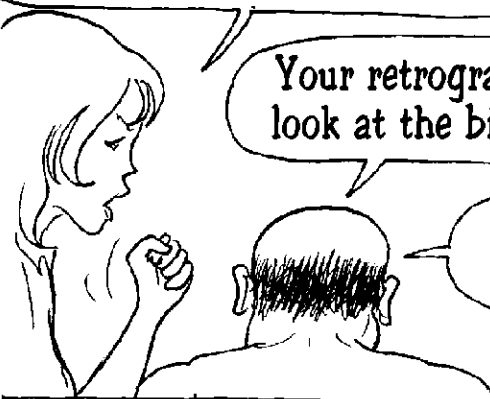
We live better here,
Kollectively. There is
no unemployment, work
for everyone.



There are no longer
any rich people.

Be careful Sophia,
he's from Security.
He's dangerous.

I know all that by heart. Heaven knows I wanted this revolution and when we killed the Kroumir I didn't shed a tear for him. But what are you doing to ensure that a new caste of incapable, lazy people and cretins isn't being formed, but with a "high political consciousness"...and why do they get the fish tails and we get the heads? Why are there all these PRIVILEGES?



Your retrograde mentality is blinding you. You have to look at the big picture and not dwell on each little case.

Over there beyond the hills in Borderia it's **EXPLOITATION OF MAN BY MAN.**

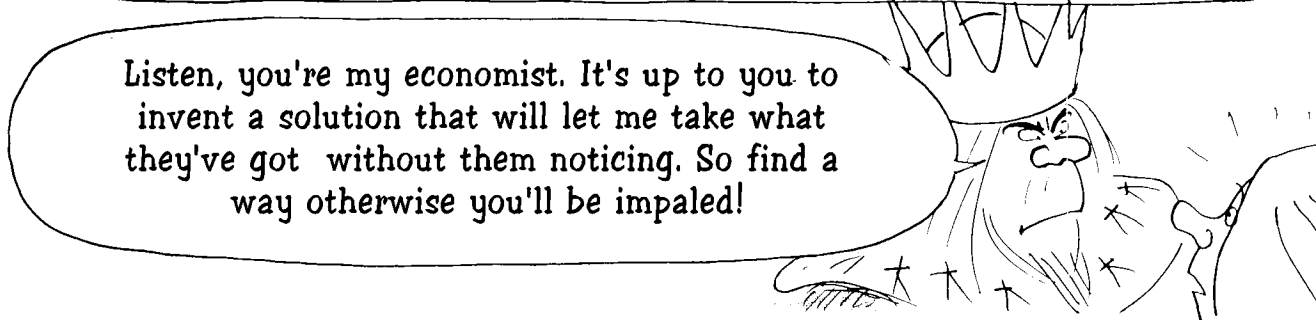
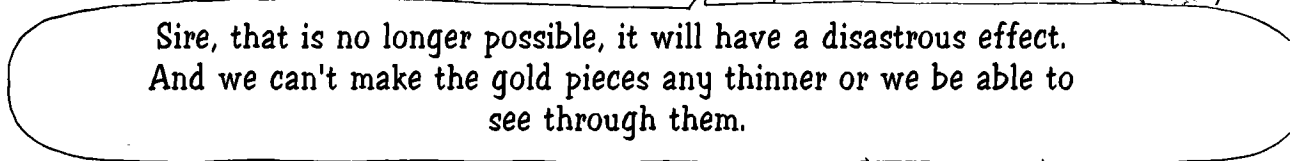
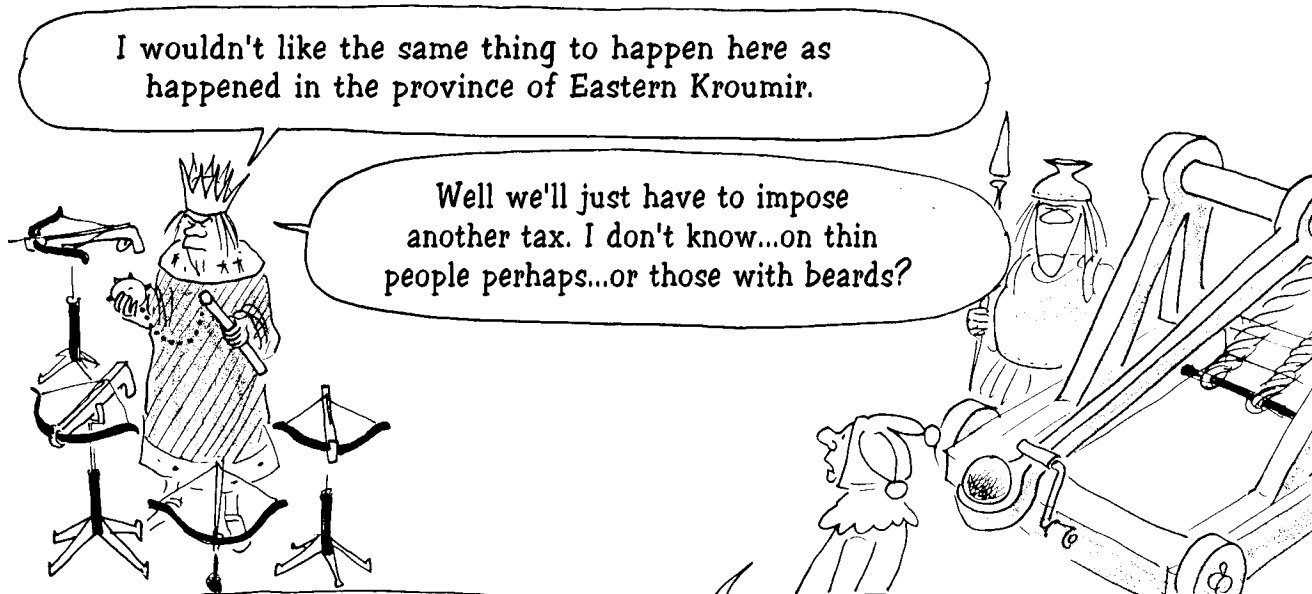
Here it's the other way round!



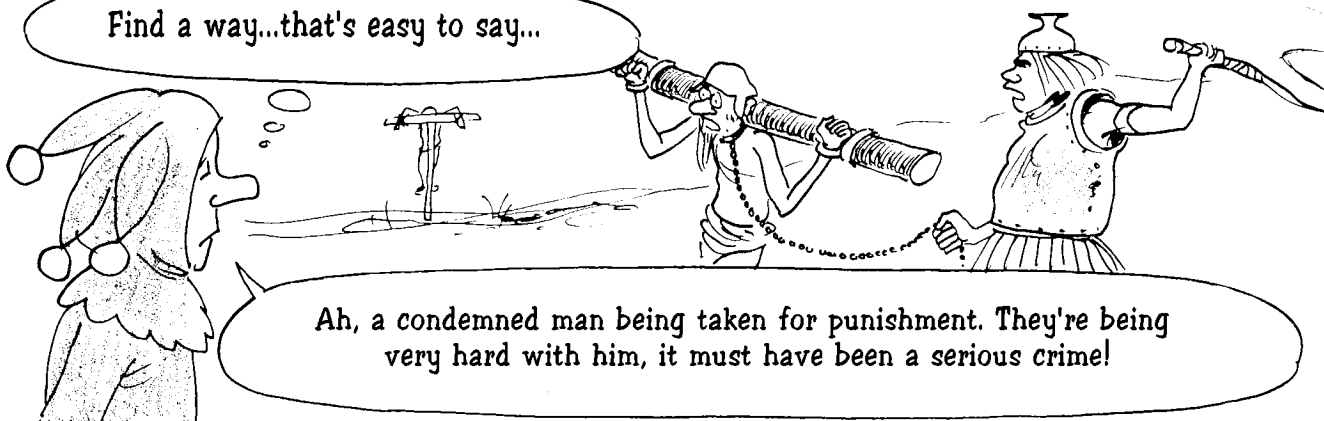
That's enough! I'm going to write a report on you!..

to the **FATHER** of **THE PEOPLE**





Find a way...that's easy to say...



Ah, a condemned man being taken for punishment. They're being very hard with him, it must have been a serious crime!

Tell me decarion, what did this man do?

Wrote a cheque with insufficient funds

Some people put their gold in a safe place in the caves in the mountains but the problem is this gold doesn't circulate anymore.

Yes, it slows down exchange.

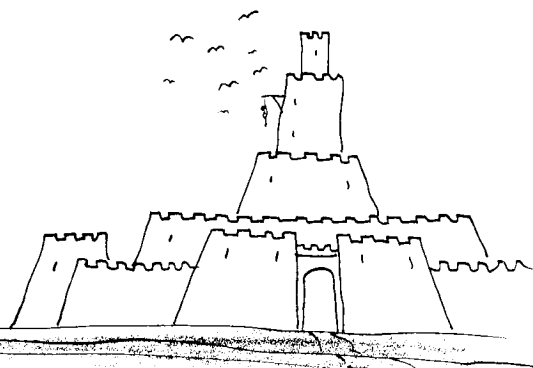
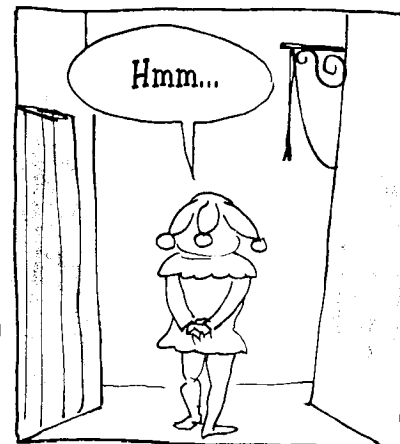
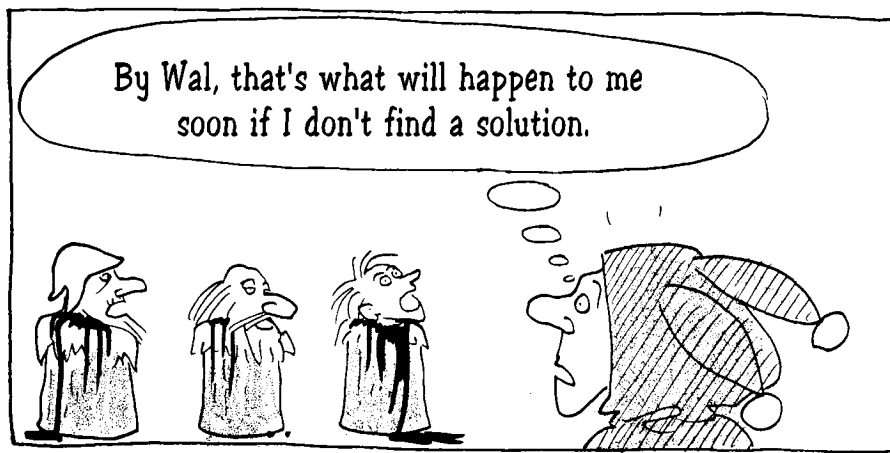
So some people invented a system. They put on a piece of parchment "pay the bearer so many gulbars" and they sign it. They call them **CHEQUES**. You can pay for things with them. Of course it is forbidden by law to write more cheques than you have gulbars in your cave, your **BANK**.

If they want people can take them into the mountains and exchange them for gold-gulbats.

AAAAA HHHH

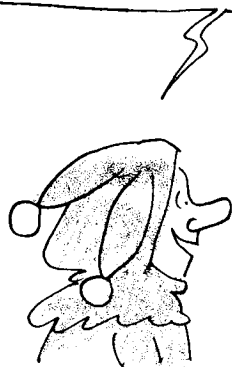
Thankyou very much decarion, you can stand at ease and rest, you must have made quite an effort to explain all that to me.





PAPER MONEY

Sire, we'll open a bank that we'll call the Bank of Borderia



What's the point of that, it'll make life more complicated for nothing

and then we'll generalise the cheque system !

We start by bringing to our bank all the gold held by our subjects. "Encouraging" them if necessary. In exchange we'll give them papers saying "voucher worth so many gulbars" and we'll make it that in the end that is all that there is in circulation.

But...we still won't be any richer!?

Ah, wait a minute, I think I'm beginning to get you

We'll also put "papergulbars" into circulation and, obviously, they'll be a lot more of them than "gold-gulbars"

Well...it was becoming clear that our gold-gulbars were getting lighter, but who will know we are issuing this PAPER-MONEY?

This is going to be the biggest affair of cheques with non-sufficient funds in history

Money for monkeys!

..Whoops!..What a gafffe!

What?

Oh, nothing sire...

Yes but wait...if we issue lots of papergulbars people will start to become suspicious, even if they are stupid. And if there are more papergulbars, far more than gold-gulbars, it wouldn't be possible to change them all at the same time, one for one, PARITY.

Mark you, I could always refuse to change them.

That might cause panic sire,
people would lose all trust
in PAPER-MONEY.

If we issue twice as many papergulbars than there are gold-gulbars, all we need to do is change them two for one.

I don't think that would go down very well sire.

I know what we should do.
When people have given us
all their gold-gulbars,
we'll melt them down!

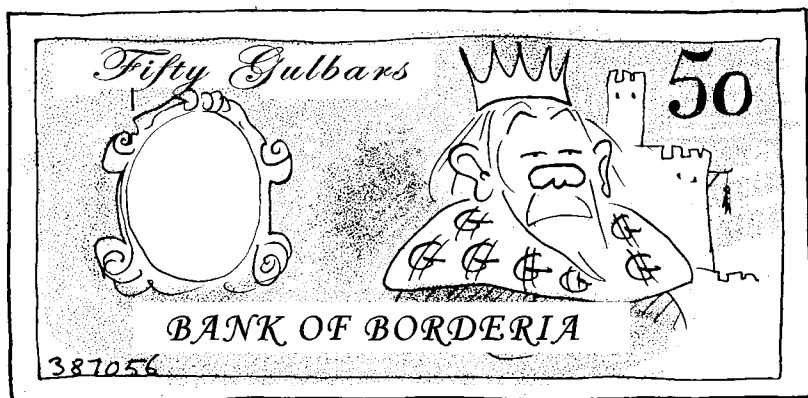
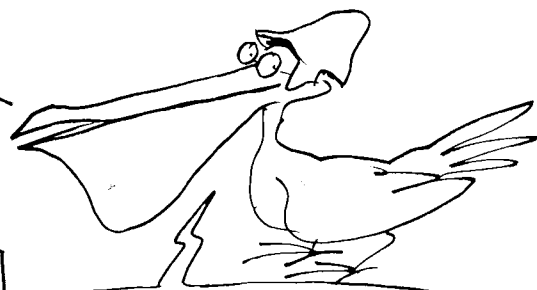
Yes, and what will
that give us?

Gold, simply GOLD.

Thus began the biggest affair of dud cheques in the history of the kingdom. Everything went as planned. People brought their gold gulbars, which were immediately melted down and about which nothing more was heard. King Numis had loads of notes printed which people used to buy all sorts of things from here and from there. Obviously prices rose, the gold price too, but as everything was more expensive people no longer remembered the old Borederian money.



This activity, which would have sent any ordinary Borederian to the gallows was rebaptised
ECONOMY.



Of course Numis had anyone who tried to start their own **ECONOMY** flayed alive.

Before, heavy taxes had to be imposed to get money out of people



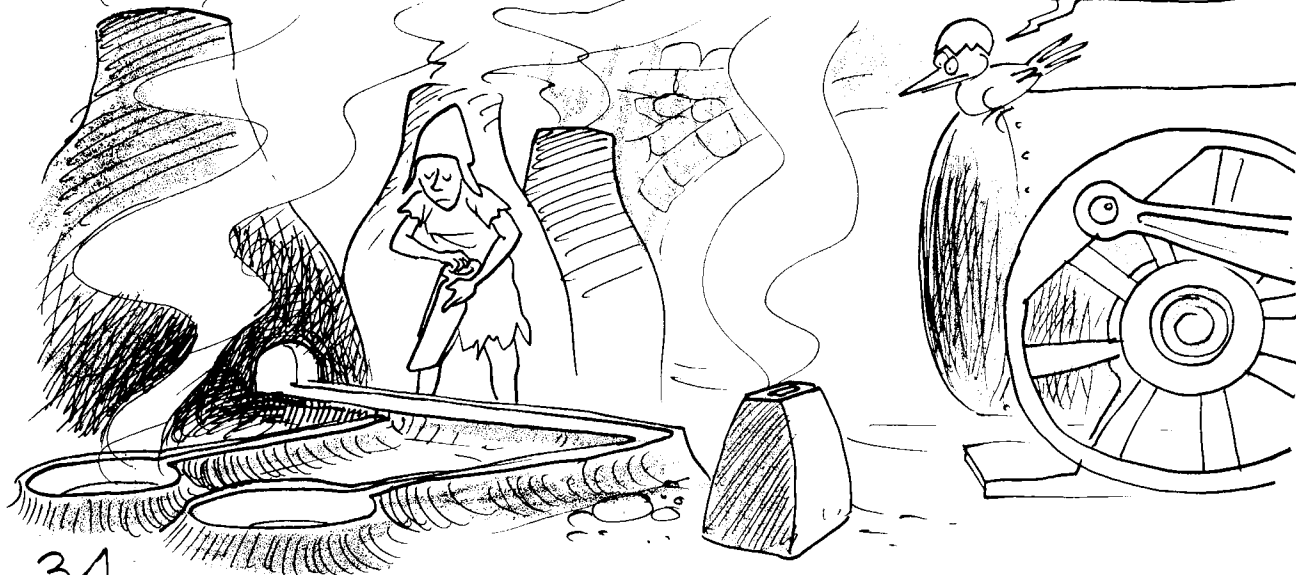
an ugly
inelegant
method



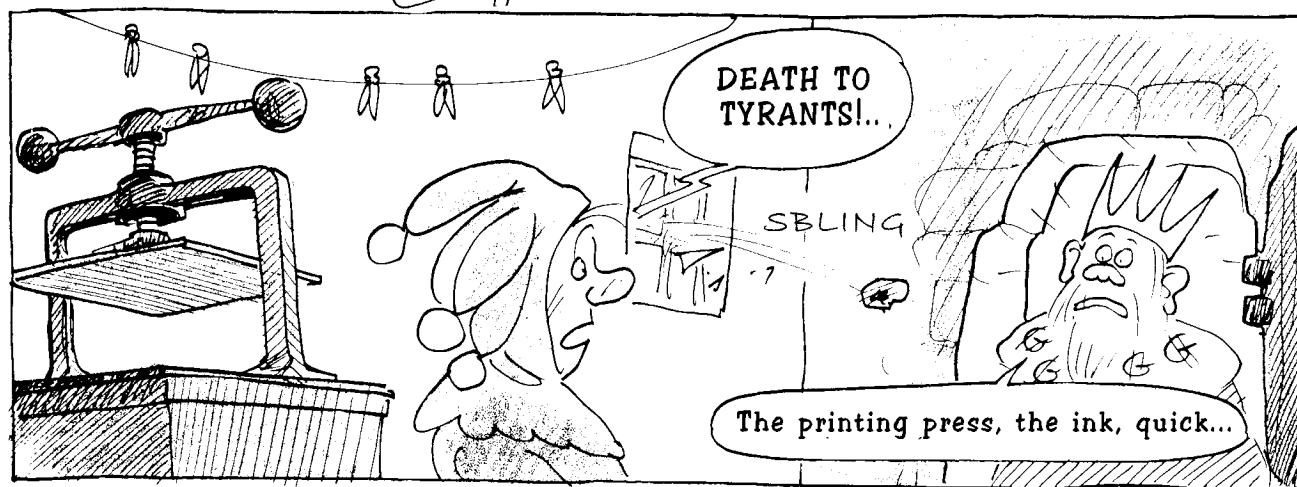
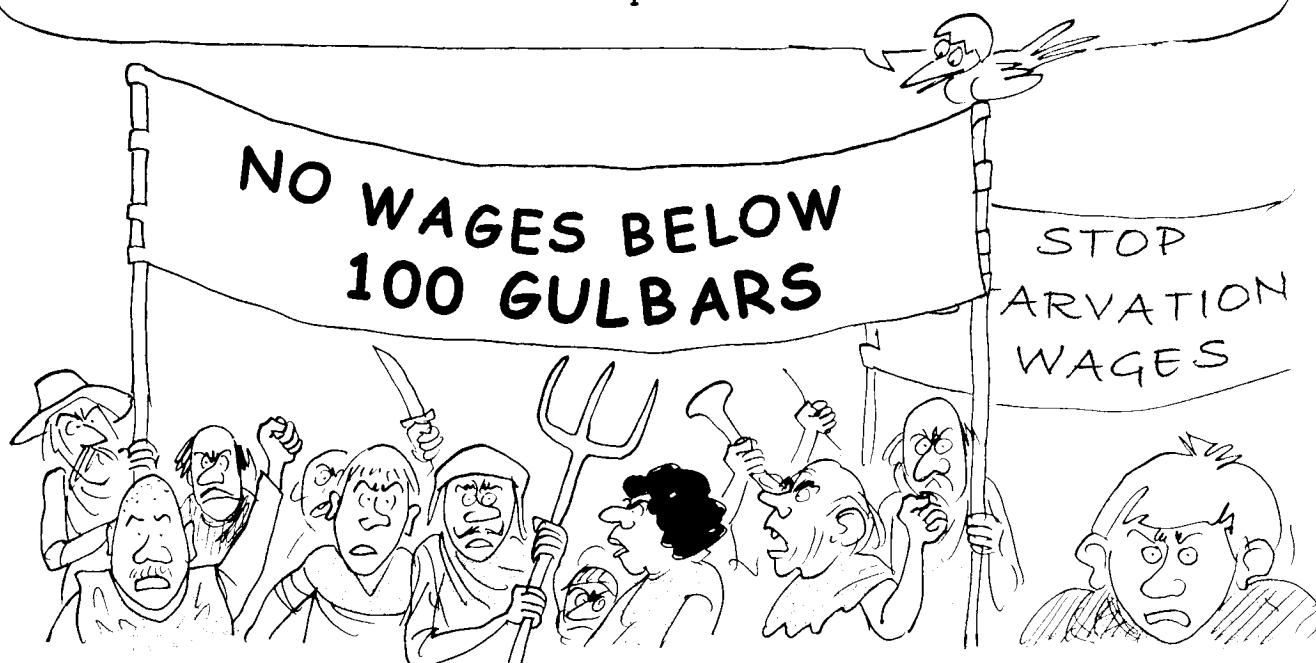
Numis retained the tax system but thanks to the possibility of increasing the **MONEY SUPPLY**, the **INFLATION** he was master of, he never ran out of paper money. OF course, at the same time prices rose and rose...



Nevertheless economic activity in Borderia, which had entered the **INDUSTRIAL ERA**, took off. Factories were built all over the place where Boredrians now worked for salaries. Most of them were owned by Numis and his family, bought or built with...papermoney.



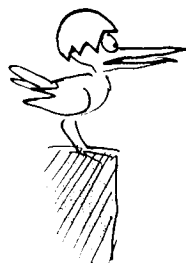
As prices rose, workers felt the need to ask for wage increases and sometimes there were violent protests.



For a while this gave people the impression that they were richer.

Ah, we've got a few of his gulbars out of him at last

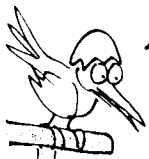
Victory, victory!
We won!



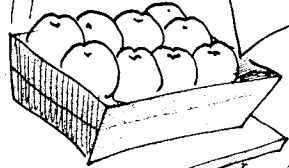
People headed straight for the shops to buy things



Wanting to **MAXIMISE THEIR PROFIT**, when evening came the shopkeepers put up their prices.



~~800 G~~
900 G



If they're coming back for more it's not expensive enough, Wal's Law that is!

And don't forget to pass on the wage increase we've had to give the porter.



The more it changes, the more it stays the same.

I don't get it.

Two hundred gulbars. Ten years ago I was earning five!

Have you seen these prices?



What times we live in!

I wonder where
all this is going
to take us.

Madam Sophia

All types
of potions

?

Sophia!

Archibald!

Whatever are you up to here?

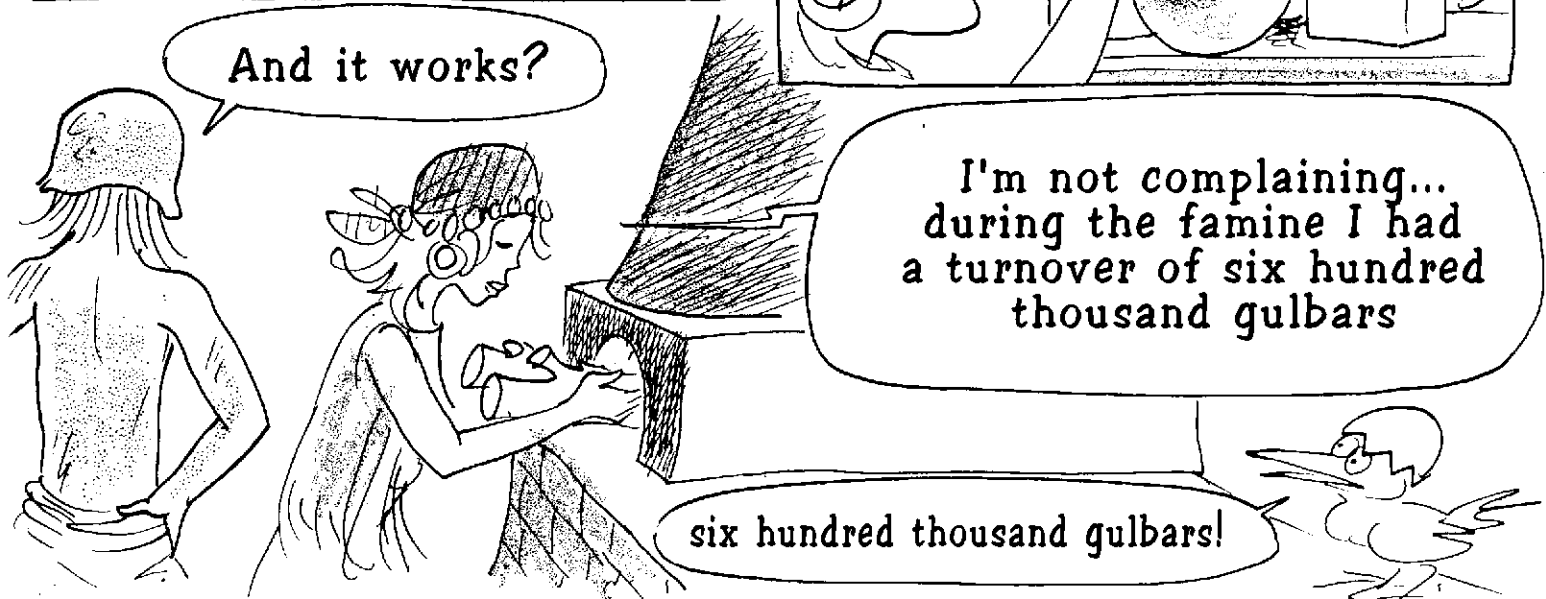
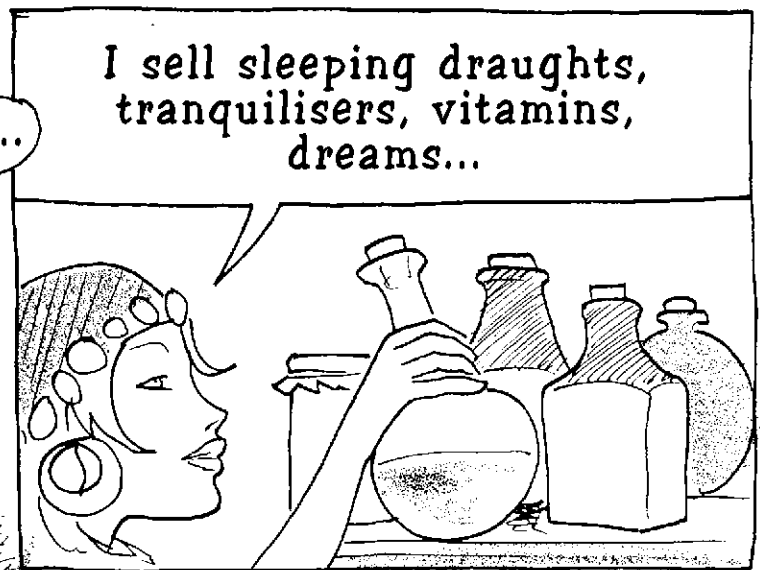
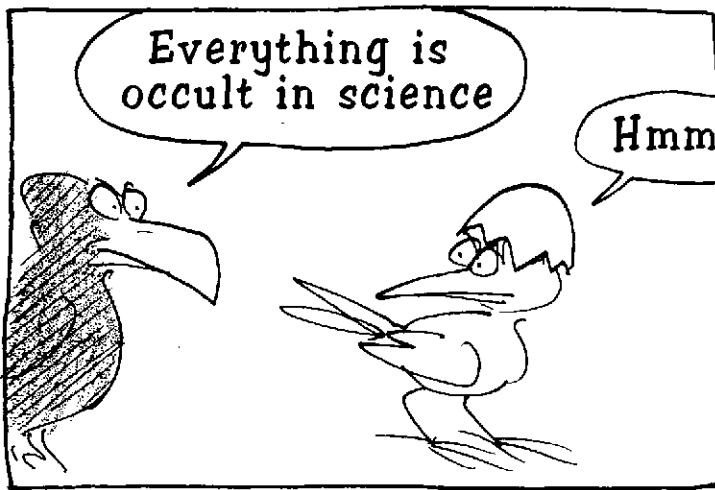
Can't you see, I've
recycled myself

I did a course in
parallel science

what have you got
against parapsychology?

You mean...
sorcery?

Ah, straight away the big words!



Rich or poor, what does it
matter as long as you've
got money...

AH! AH! AH!

In this rotten world there
is only one thing more
important than money...

Can't you guess?..

Er...no

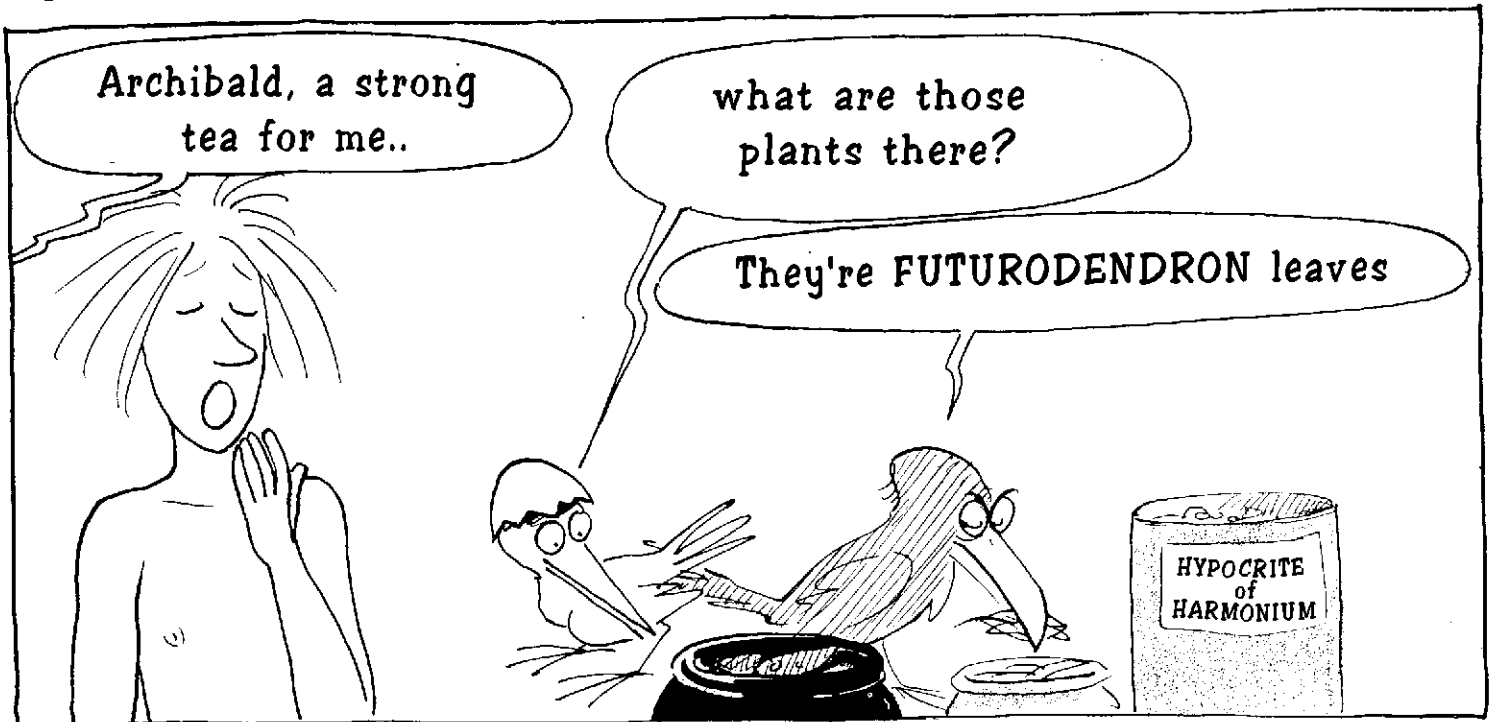
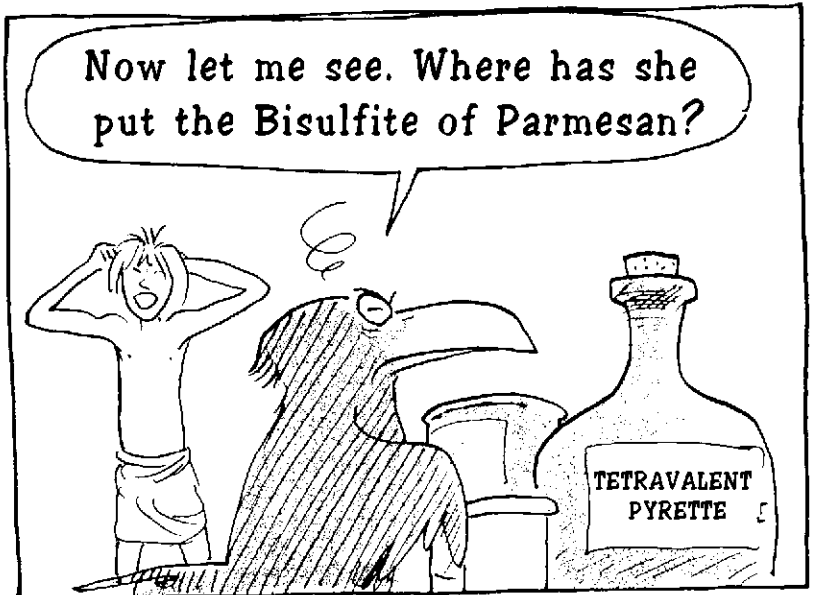
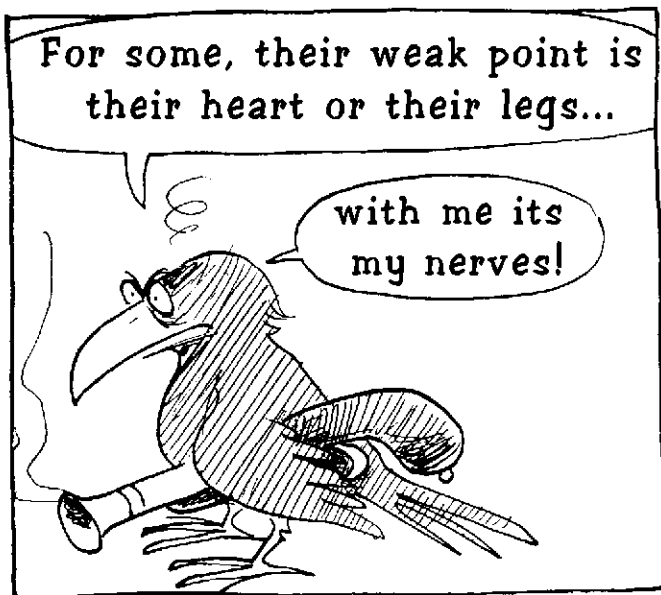
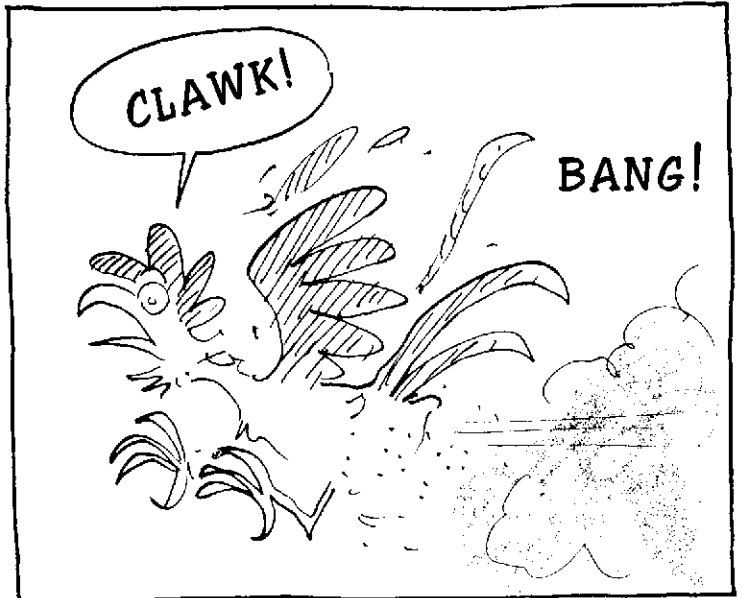
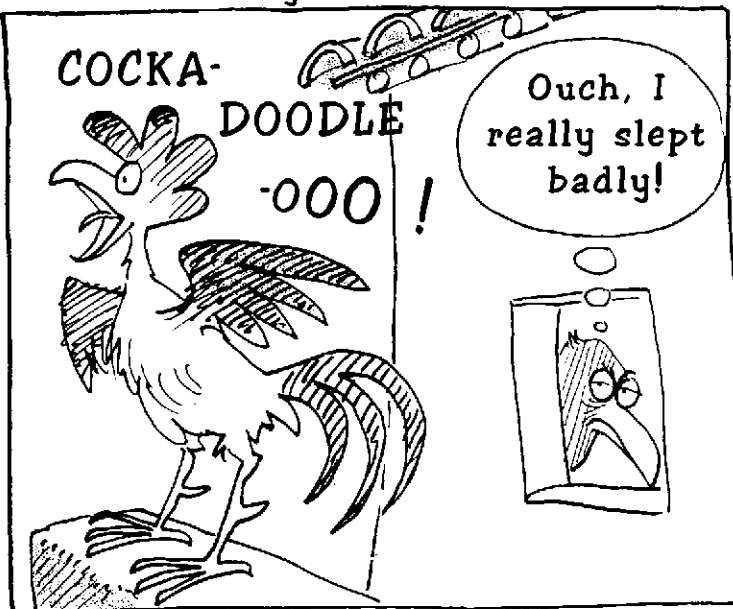
Er, oh..yes!

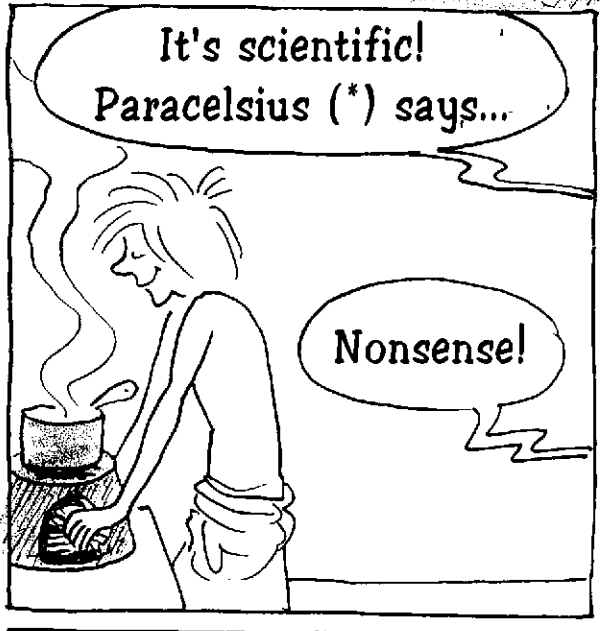
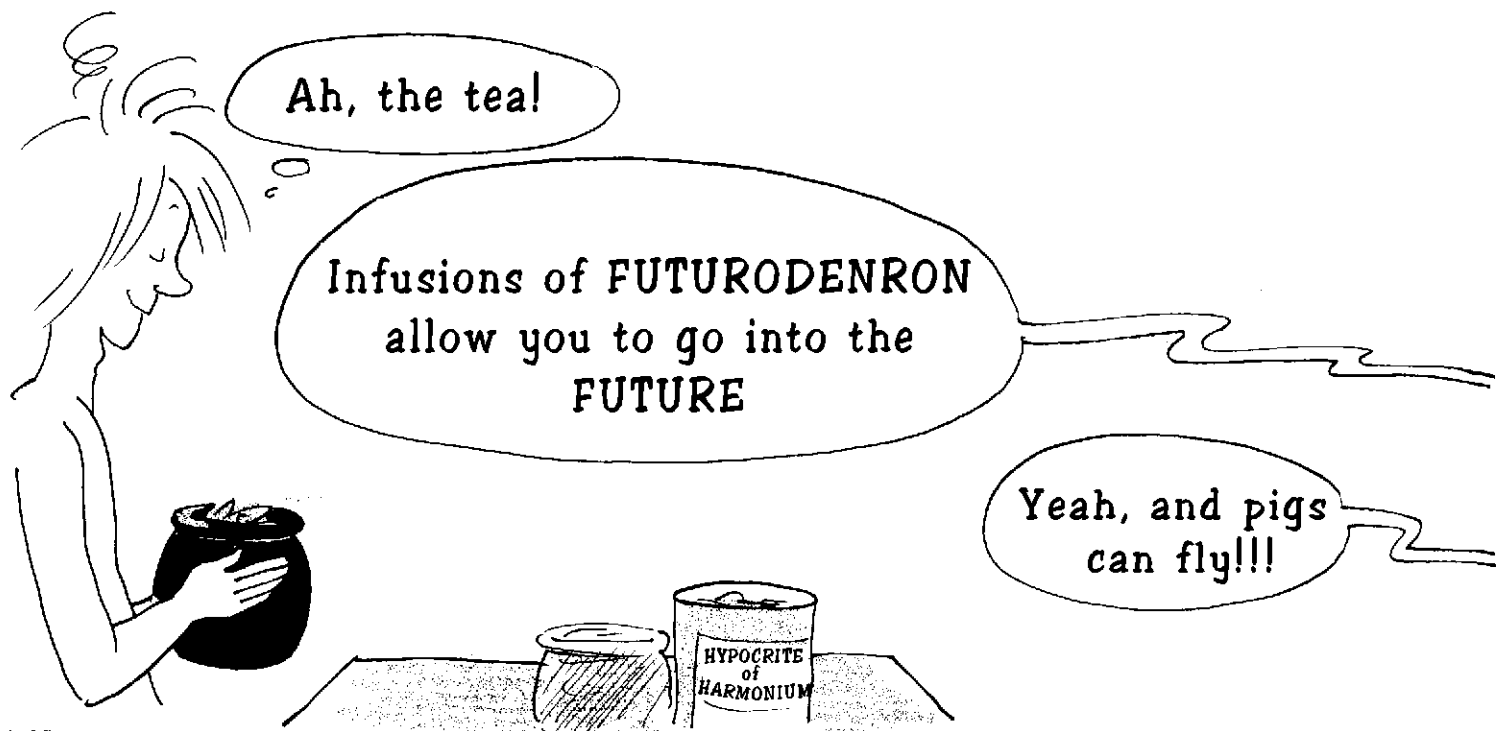
ONE
THOUSAND
RECIPES
AGAINST
INFLATION

ONE
THOUSAND
RECIPES
AGAINST
INFLATION

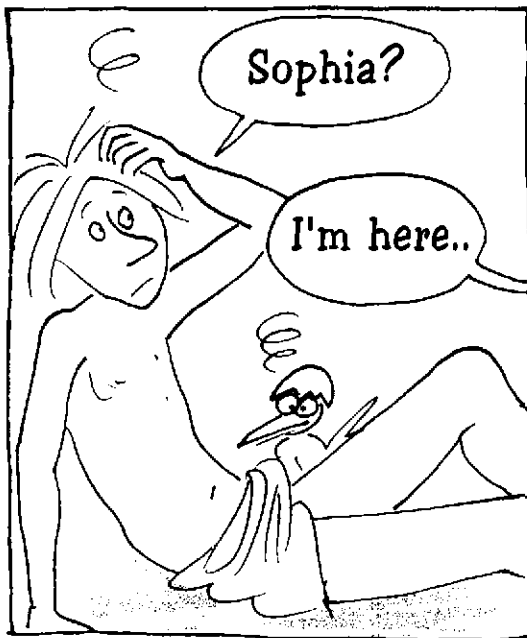
At last...

Let us draw a
discrete veil over
this part of the story.



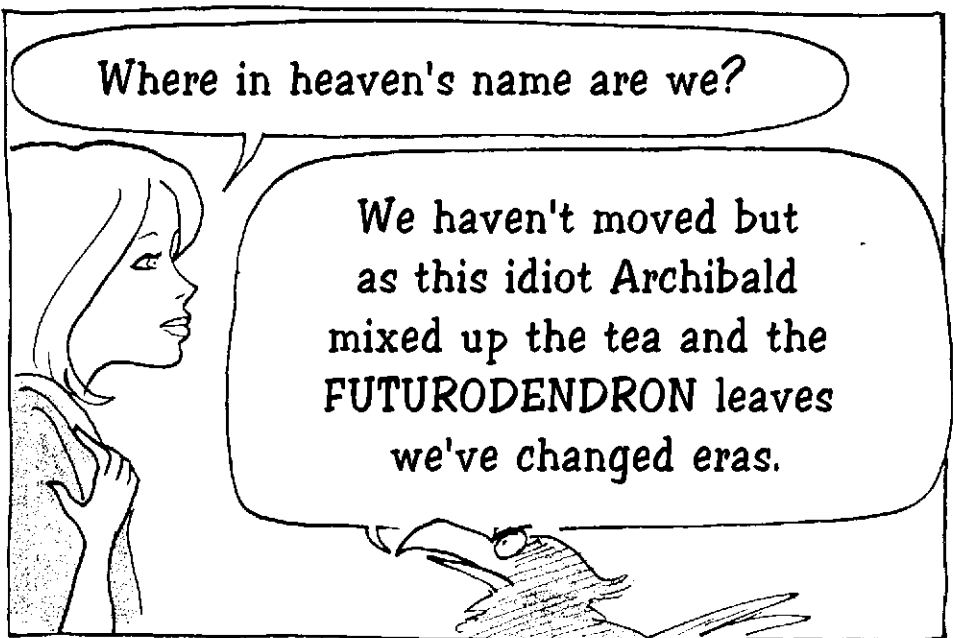


(*) Famous alchemist



Sophia?

I'm here..



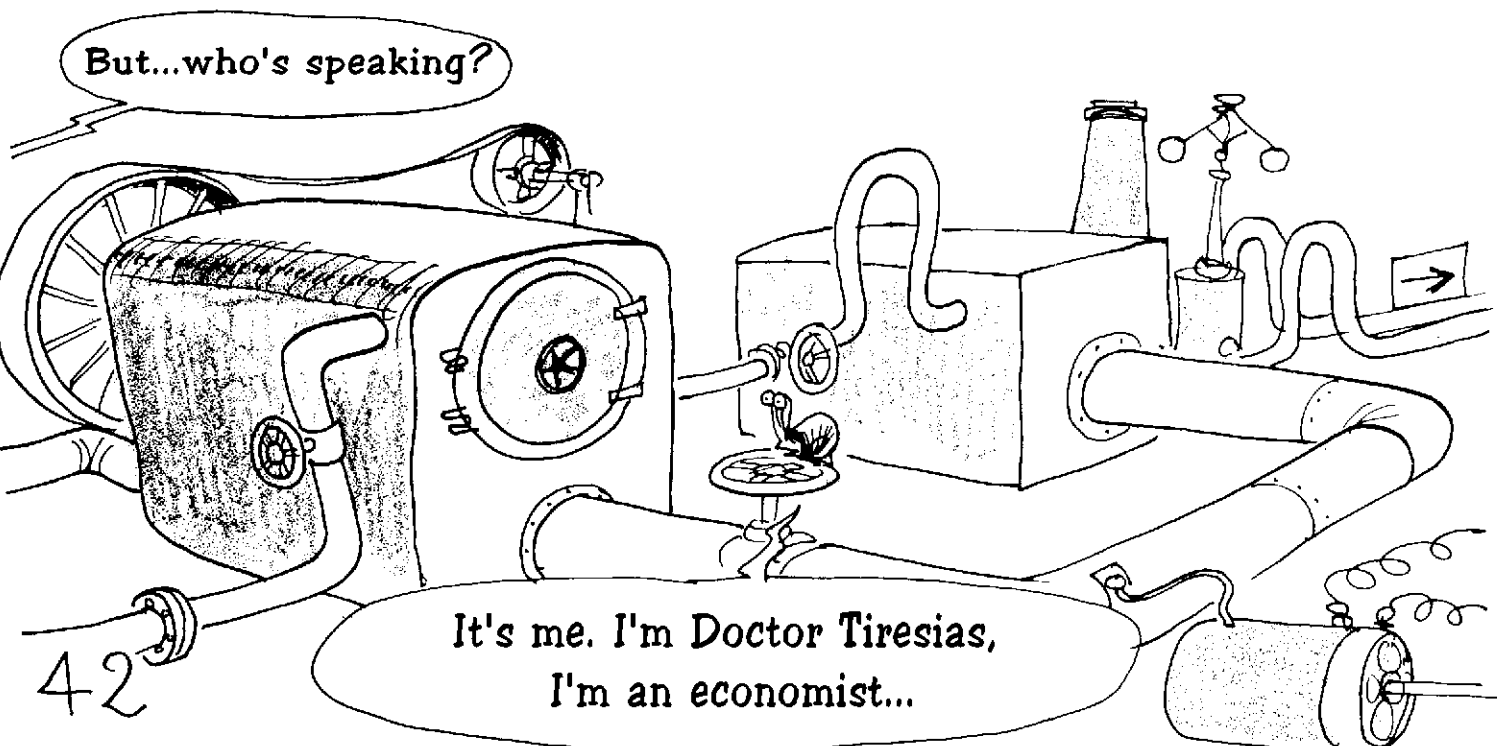
Where in heaven's name are we?

We haven't moved but
as this idiot Archibald
mixed up the tea and the
FUTURODENDRON leaves
we've changed eras.



Wow! Look at all this machinery!

What! Haven't you ever seen
an **ECONOMIC MACHINE** before?



But...who's speaking?

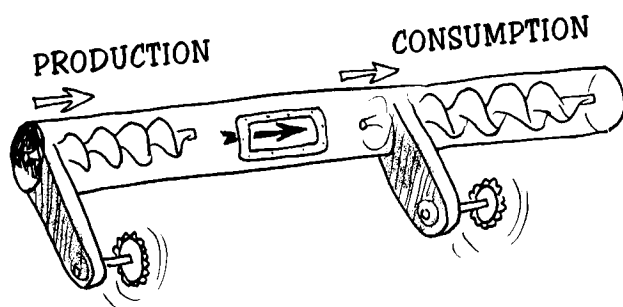
It's me. I'm Doctor Tiresias,
I'm an economist...

You mean it's you who invented this machine?

Goodness no! I'm content to just study it.

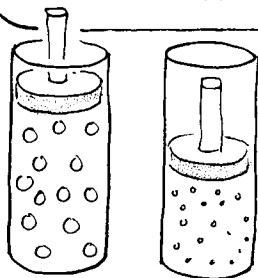
And what are all those pipe thingies?

They are **ECONOMIC CIRCUITS**



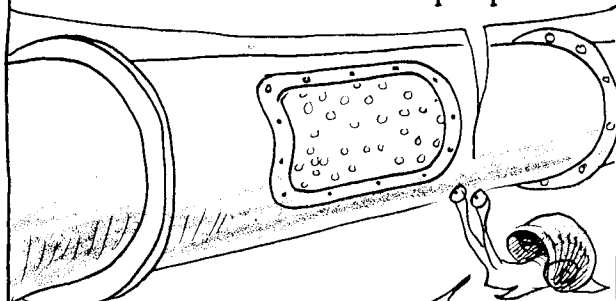
The economic fluid in the pipework, the **LOLLI**, is moved by two sorts of Archimedes screw pumps. The reverse pump is called **PRODUCTION**, and the forward suction pump is called **CONSUMPTION**

LOLLI is an emulsion of **ERGOL** and air. **ERGOL** (*) is an **INCOMPRESSIBLE** fluid. But because there are bubbles in the mixture, makes the whole thing, the **LOLLI**, **COMPRESSIBLE**.



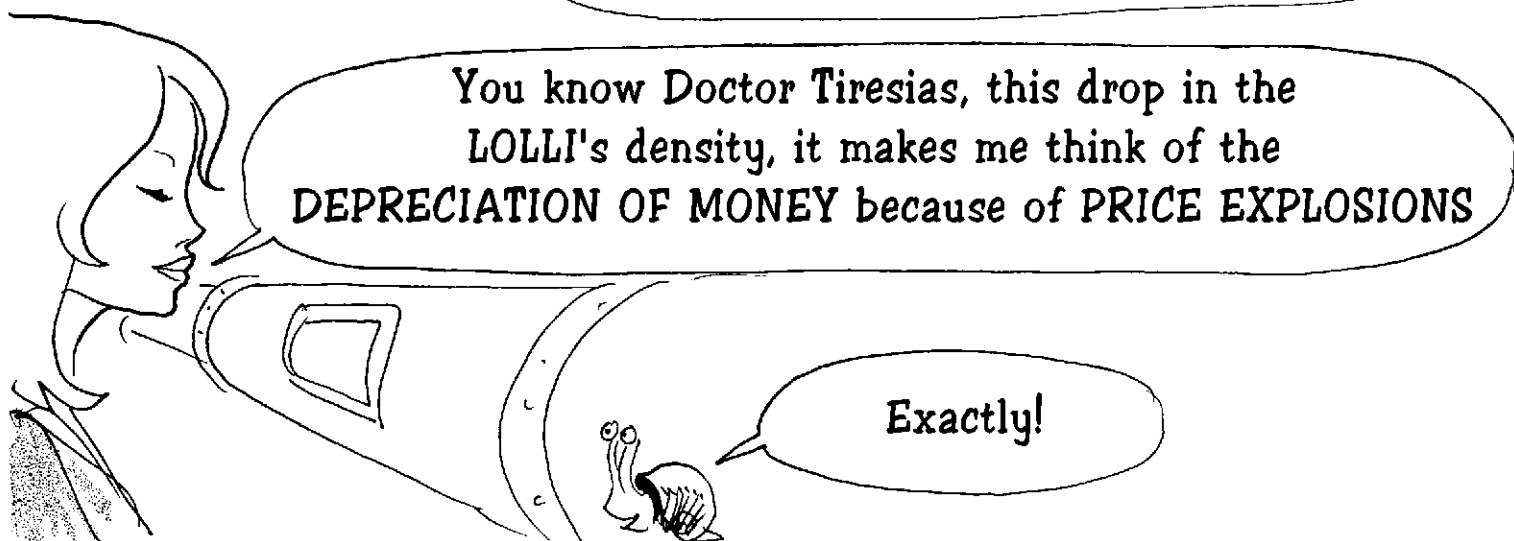
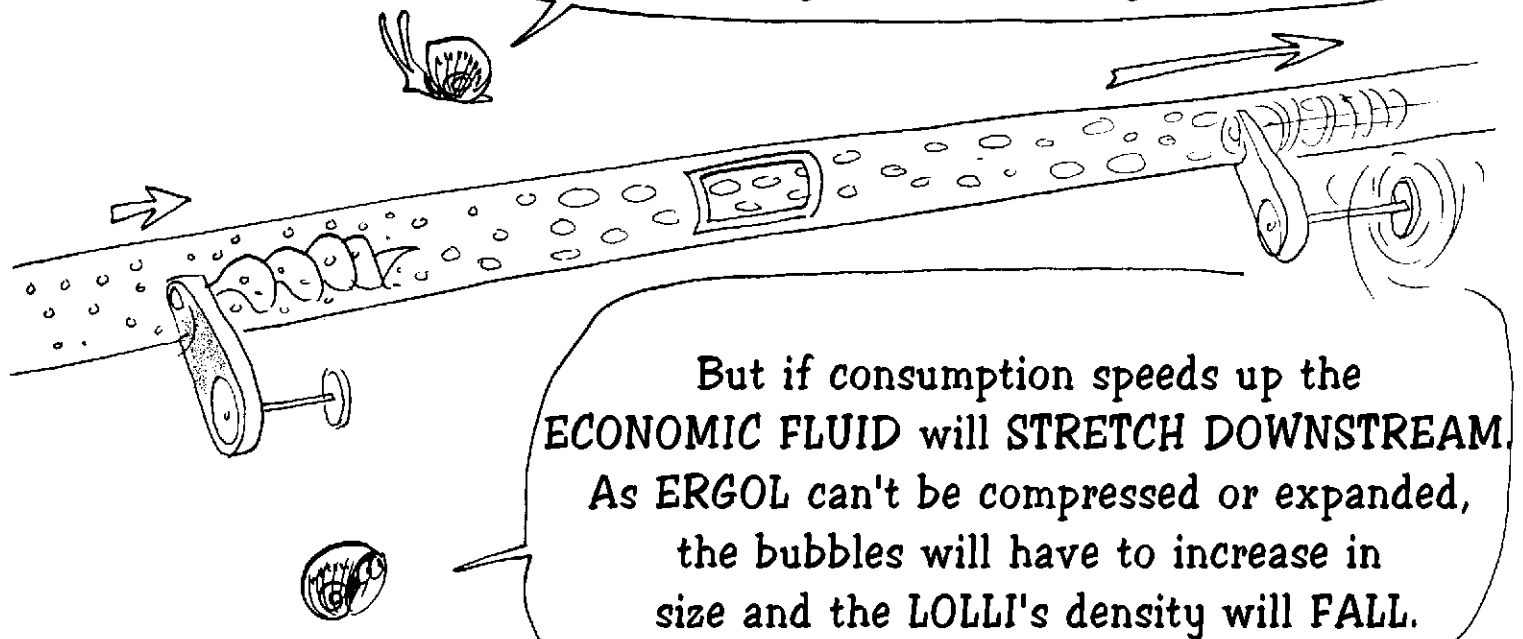
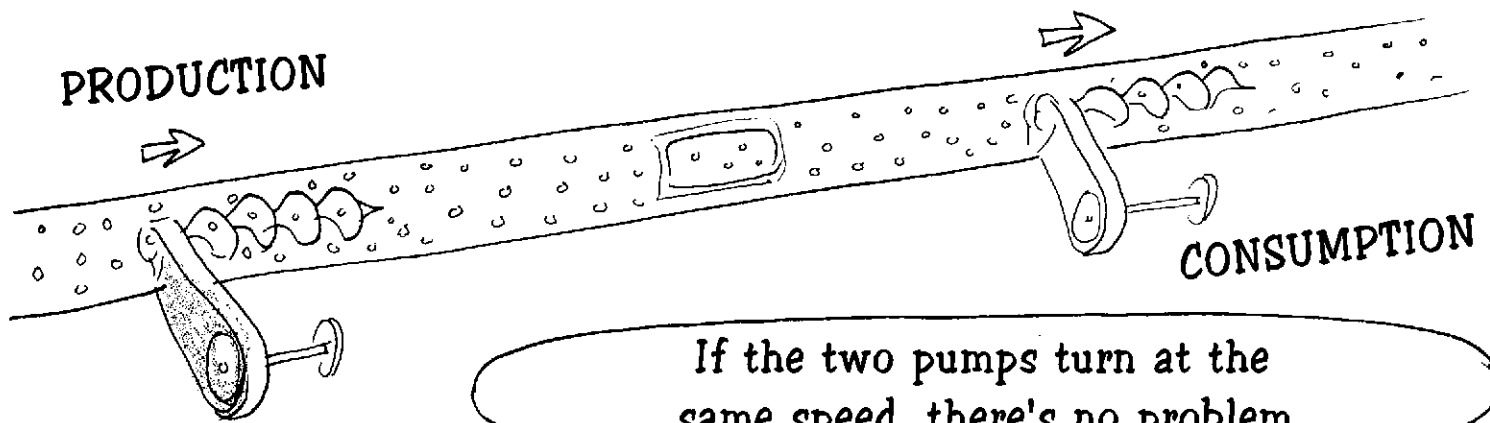
(*) From **ERGOS**, Greek for 'work'

Between the **PRODUCTION** pump and the **CONSUMPTION** pump



A window lets us see the **DENSITY** of the economic fluid.

FIRST LAW OF LOLLODYNAMICS



The speed of the PRODUCTION pump is set by SUPPLY, while that of the CONSUMPTION pump is set by DEMAND.

If they balance out or if they both vary in a SYNCHRONISED manner, the LOLLI keeps the same density: PRICES are STABLE.

If the CONSUMPTION pump starts to "pull more" and the LEVEL OF PRODUCTION doesn't keep up, THE LOLLI is stretched out, it's density is reduced and PRICES CLIMB.

Yes but...

What happens if instead of increasing, consumption SLOWS DOWN?

Well in that case the LOLLI becomes denser and prices drop.

The same thing if there is a constant level of CONSUMPTION but PRODUCTION slows down: the LOLLI is thinned out and prices take off. When PRODUCTION speeds up, OVERPRODUCTION compresses the LOLLI and prices FALL.

PRODUCTION

CONSUMPTION

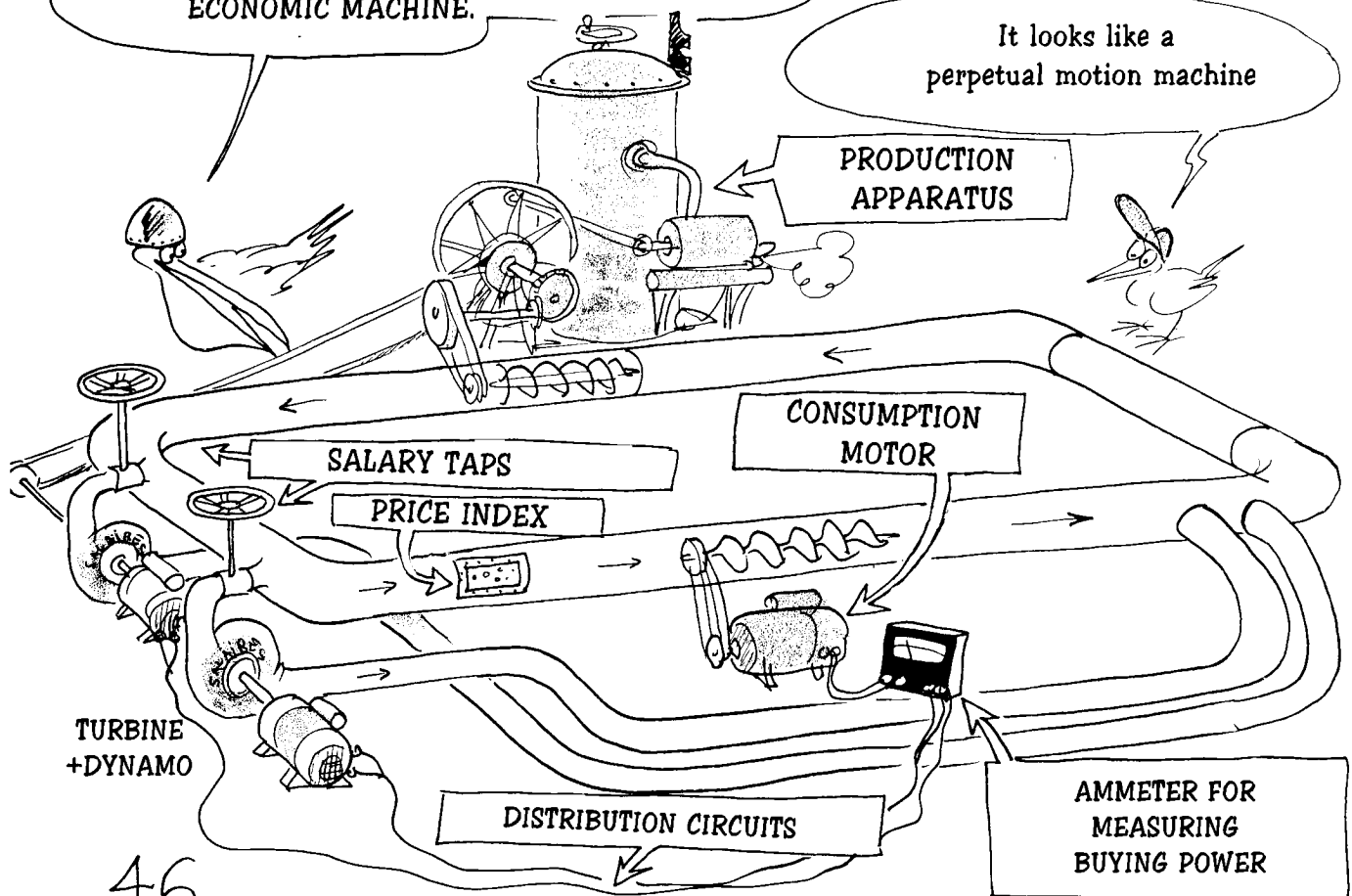
So prices fix themselves automatically according to the relation between CONSUMPTION AND PRODUCTION, between SUPPLY AND DEMAND.


A certain MASS OF ERGOL per second passes through the PRODUCTION pump. This MASS-FLOW is the same as that in the CONSUMPTION pump.

And the relation between the level of the consumption pump and the OUTFLOW VOLUME BY MASS OF ERGOL is called the PRICE INDEX.

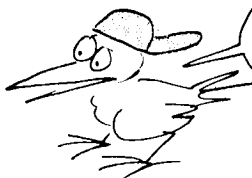
Let us have a closer look at this ECONOMIC MACHINE.

It looks like a perpetual motion machine





Of course it isn't
a perpetual motion
machine



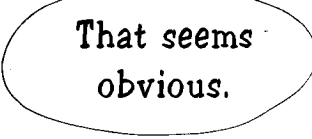
Isn't that what
I said?..

There is friction in the pipes, losses in the electric
lines. The thing only works because of an input of
ENERGY.

SECOND LAW OF LOLLODYNAMICS

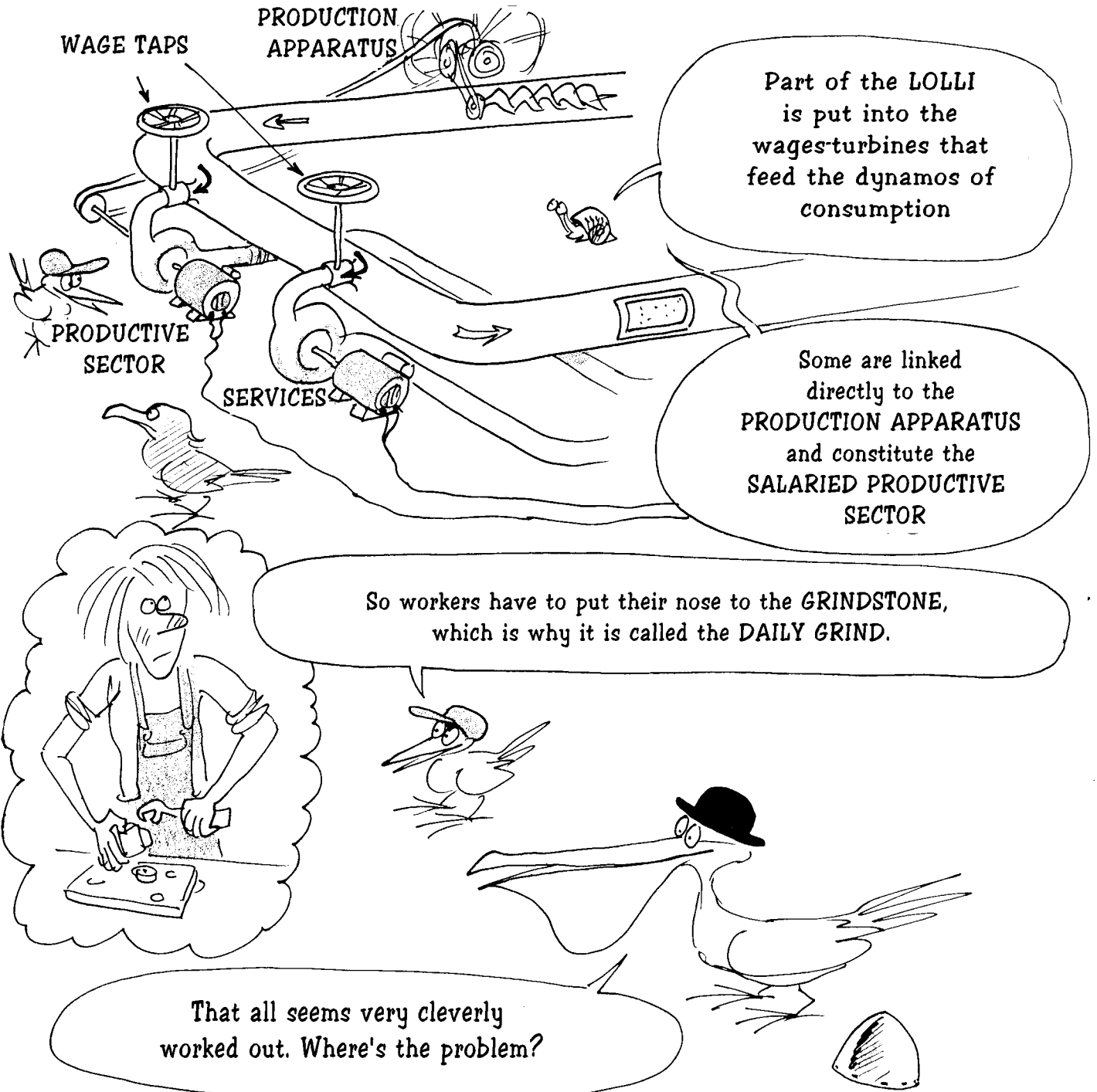
The second law of
Lollodynamics can be expressed as:
**AN ECONOMIC MACHINE CANNOT
EXIST IN ISOLATION**

People buying, selling and
distributing objects is not
enough. Somewhere or other there
has to be **PRODUCTIVE WORK**, using
raw materials and energy in some form.

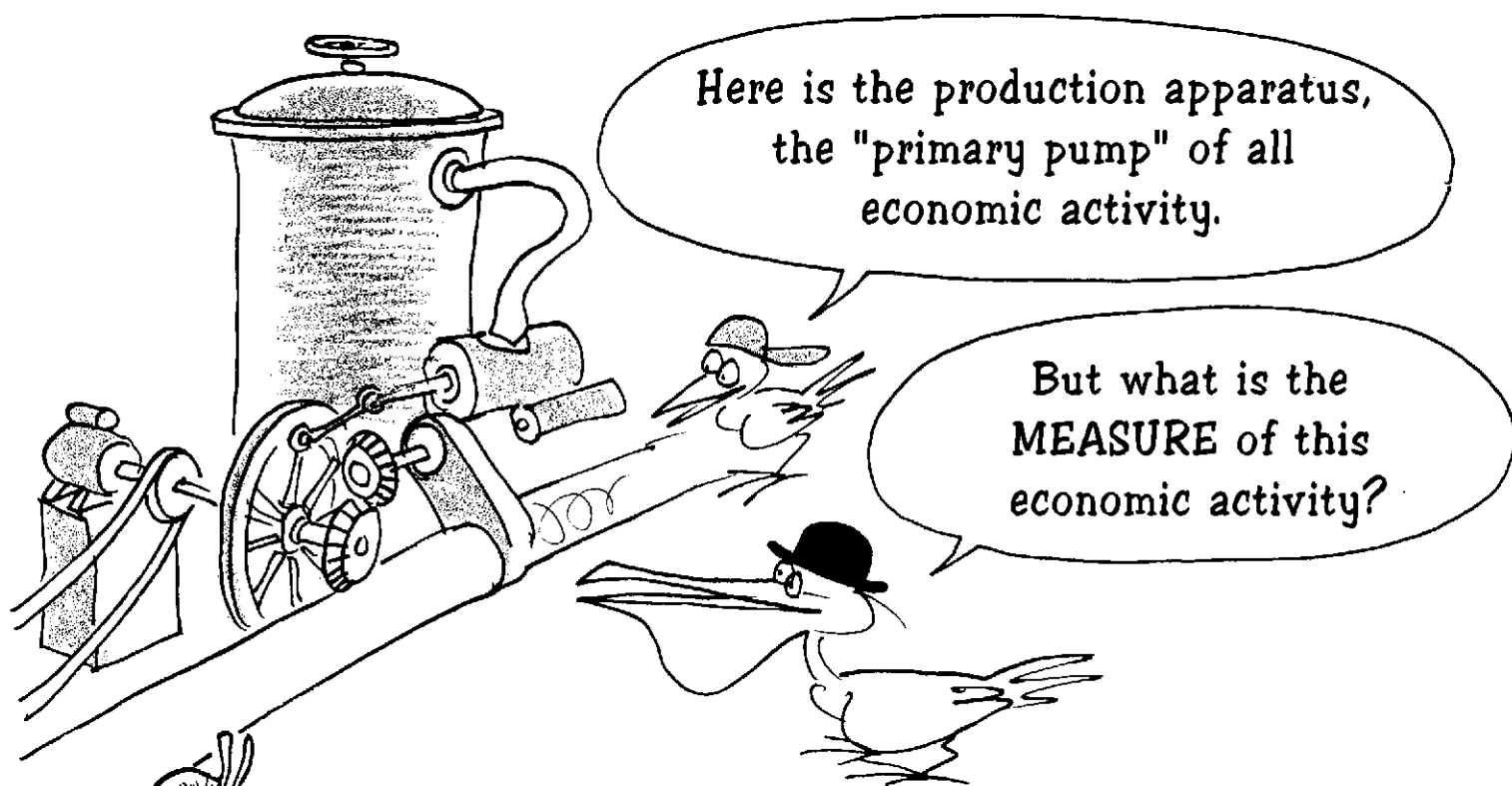


That seems
obvious.

PRODUCTIVE AND NON-PRODUCTIVE SECTORS



PRODUCTIVITY

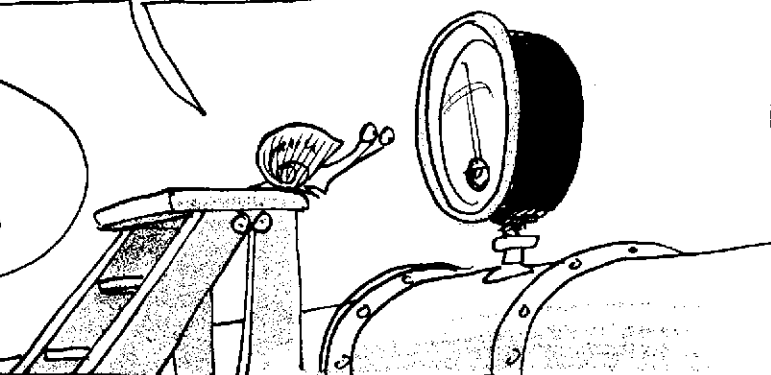


Well, ECONOMIC ACTIVITY is equal to $\frac{1}{2} \text{ MASS OF ERGOL} \times (\text{CIRCULATION SPEED})^2$

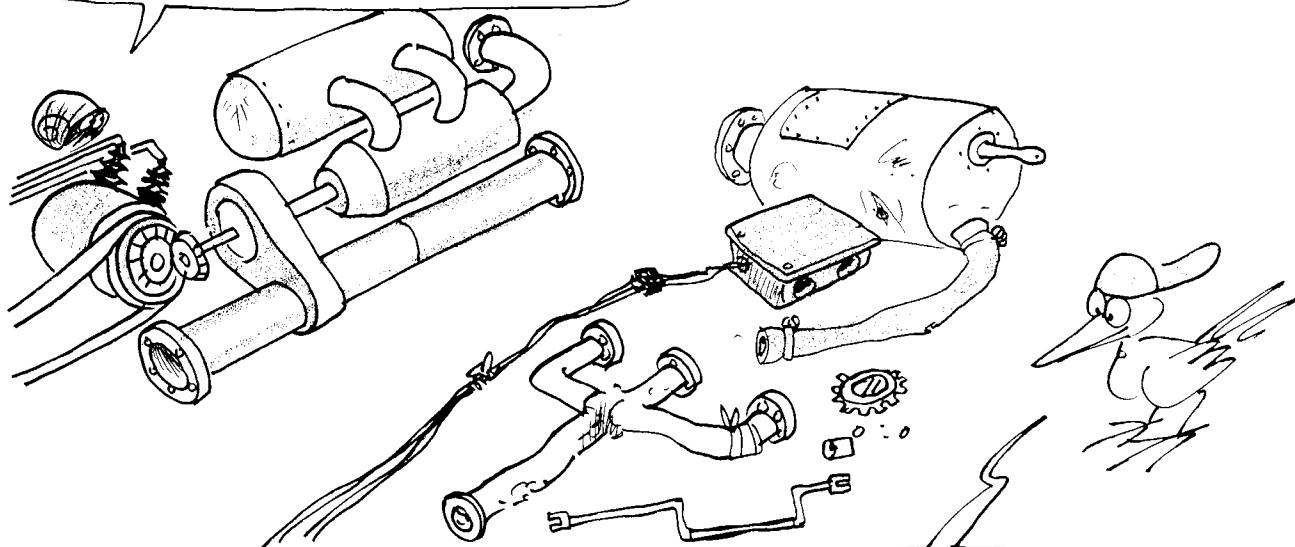
That's a force to be reckoned with.

The unity of measure of ECONOMIC PRESSURE is the BAR.

So I suppose I measure it with a BAROMETER?

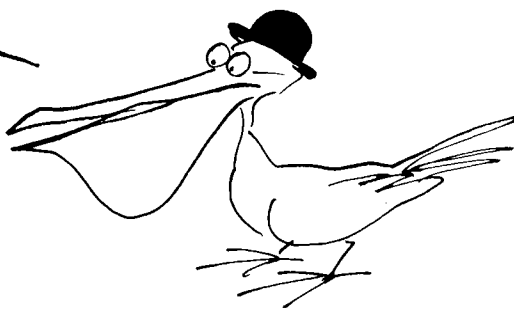


To increase economic activity the MASS OF ERGOL can be increased, that is to say the AMOUNT OF WORK SUPPLIED, but is also essential to improve the ways that this work is used and distributed, in other words, increase PRODUCTIVITY.



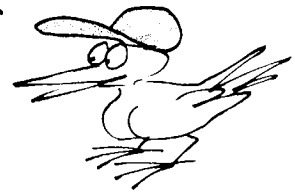
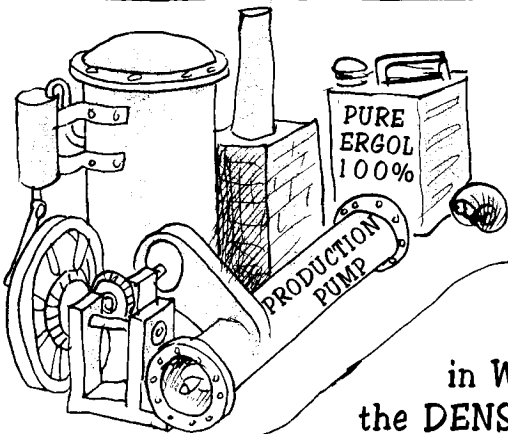
Yes, better to use a bigger, more modern machine, with very wide diameter pipes and thick electric conductors rather than doubling or tripling old installations.

But one thing remains mysterious to me? Who fixes the amount of LOLLI circulating in the economic machine?



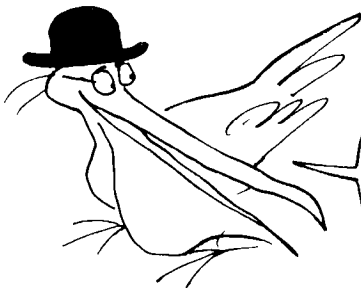
GROWTH AND MONEY SUPPLY

The **REAL** state of an **ECONOMIC SYSTEM** is the **MASS OF ERGOL** circulating in it. It is the dense fraction of **LOLLI**, the **WORK FORCE** and the **ERGOL'S SPEED OF FLOW**. What happens if we add a new **PRODUCTION UNIT** to the machine?



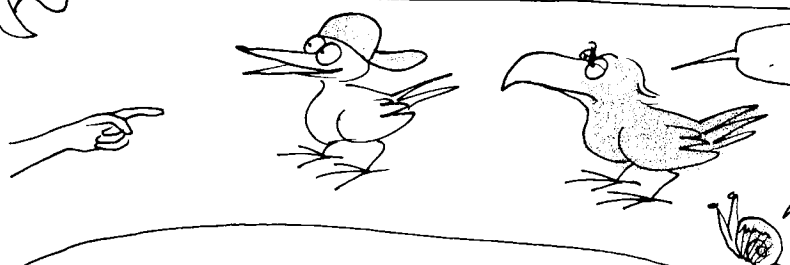
This production tool is delivered with a full tank of **ERGOL** so there is an increase in **WORKFORCE** which naturally tends to increase the **DENSITY OF THE LOLLY** (and so make prices fall).

It's normal, in a growth phase, to add a few bubbles, that is to say, increase the **MONETARY VOLUME**, in order to maintain **PRICE STABILITY**.



In fact I bet they add a few more bubbles each time without us noticing, which means that it catches up a bit with wage rises

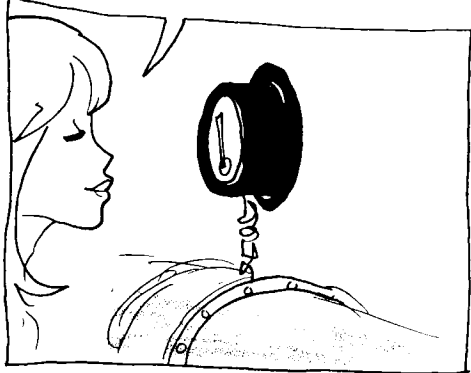
Right, so let's suppose that we are in a growth phase. Max, you can play the role of an employee in the productive sector and you Albert, you can be an employee in the non-productive sector.



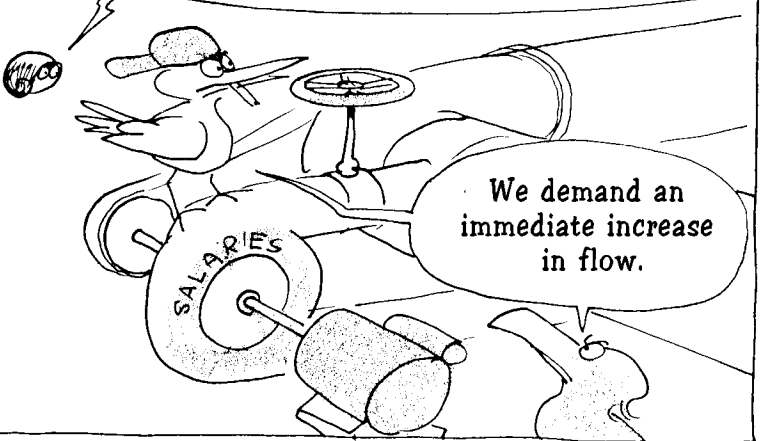
Why non-productive?..

You represent **SERVICES** and **ADMINISTRATION**.

So a new unit of production has been added to the economic machine and is working well. Plus twelve bars on the economic pressure indicator

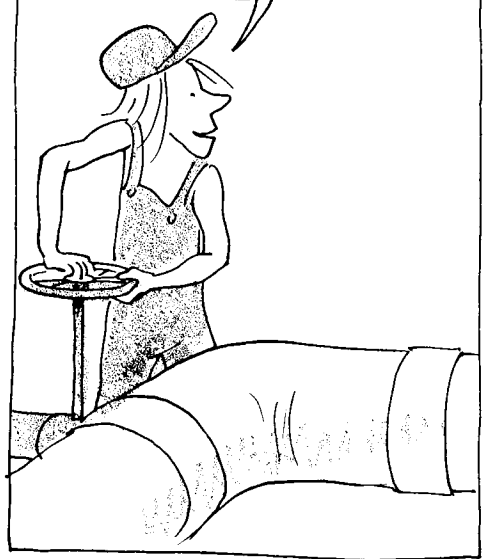


Setting up this unit gave **EMPLOYMENT** and so reduced **UNEMPLOYMENT**, but wage claims became stronger



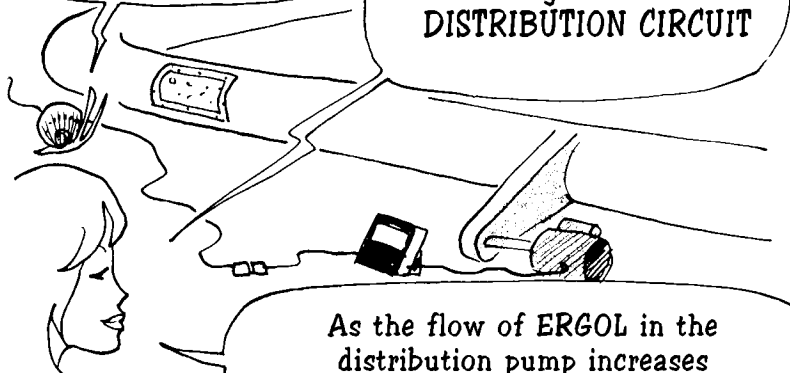
We demand an immediate increase in flow.

OK, I'm gradually increasing the flow



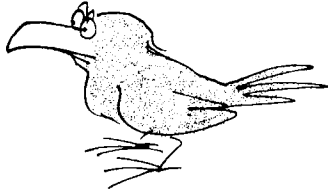
PRICES...OK...
gently does it...

Intensity is increasing.
Not many losses in the **DISTRIBUTION CIRCUIT**



As the flow of **ERGOL** in the distribution pump increases the **STANDARD OF LIVING** will rise.

But this new production unit didn't build itself did it?



No, you're right. Part of the inner force of the Lolli has to be siphoned off to use for the INNOVATION and MODERNISATION of PRODUCTION



INVESTMENT

Present!

INNOVATION
MODERNISATION

The effort has to be permanent otherwise the production apparatus gets old immediately.

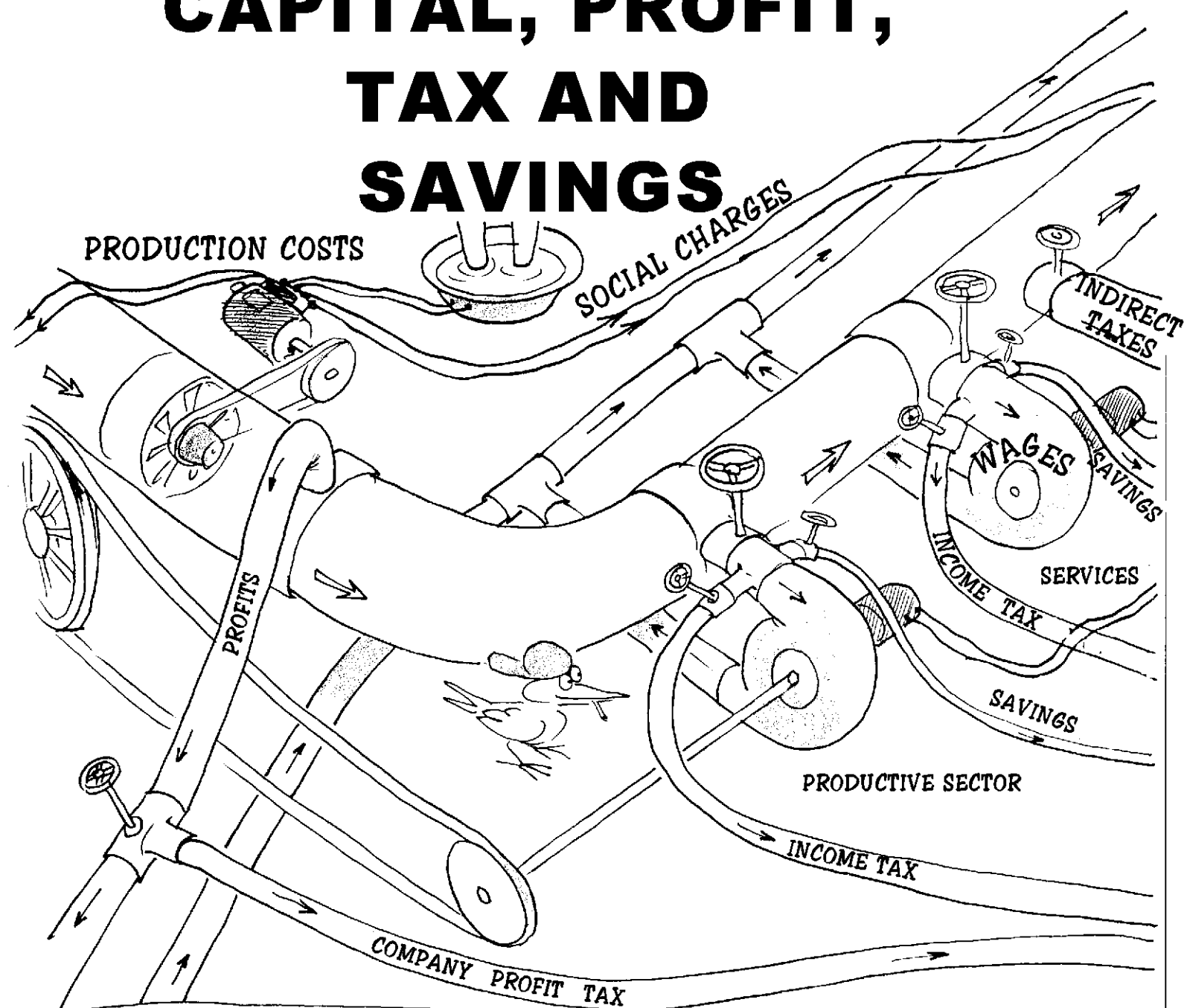
PATACLONK
PATACLONK

Completely done for

the pipes are
blocking up

the electric circuits (DISTRIBUTION NETWORK) are
being eaten away, there are leaks everywhere

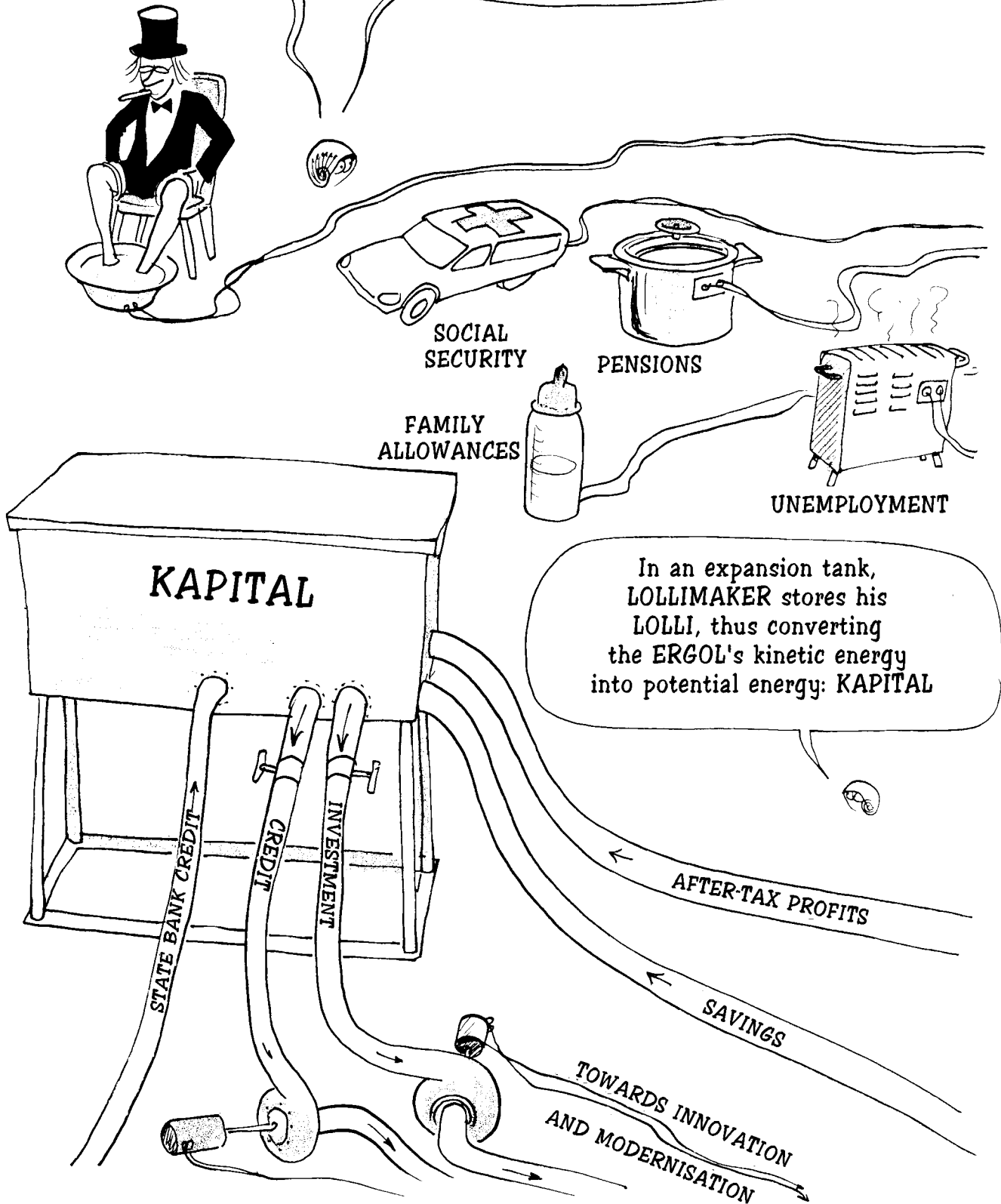
CAPITAL, PROFIT, TAX AND SAVINGS



The circulation of LOLLI is burdened with many diversions and various charge losses. The ergol drives a turbine linked to a generator, immediately downstream of the production pump. Part of the energy thus used is sent into the charge circuit called **SOCIAL CHARGES**. Another part goes into **PRODUCTION COSTS** and the rest is used to warm Mr LOLLIMAKER's footbaths.

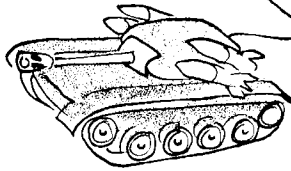
Here on one side
we have Mr LOLLIMAKER

and on the other the
SOCIAL CHARGES circuit

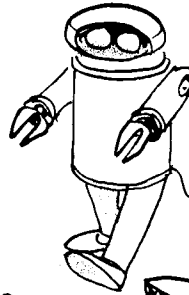


In an expansion tank,
LOLLIMAKER stores his
LOLLI, thus converting
the ERGOL's kinetic energy
into potential energy: KAPITAL

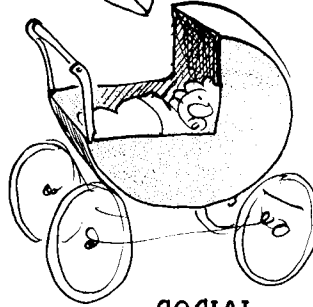
Ah, here is some.
GOVERNMENT EXPENDITURE



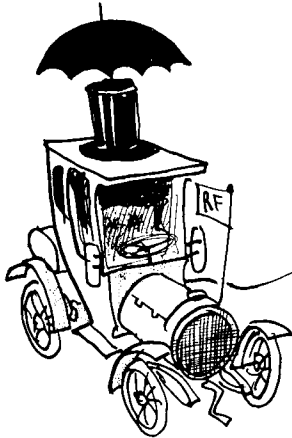
ARMY



EDUCATION-RESEARCH



SOCIAL

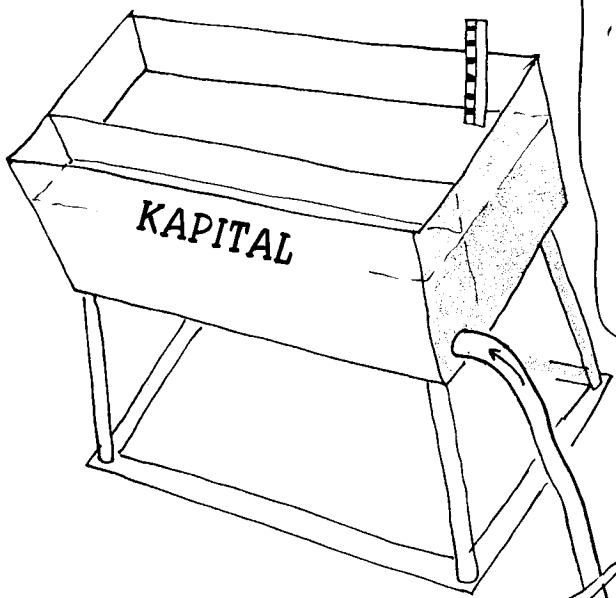


I suppose that's
the **STATE CARRIAGE**.

And **SAVINGS, CREDIT**,
how do they work?

In theory, all these expansion tanks, **KAPITAL** and
the **STATE COFFERS**, have a **REGULATORY FUNCTION**. We
saw that the **ECONOMIC MACHINE** was **UNSTABLE**, because
of the constant interaction between **PRODUCTION** and
CONSUMPTION, the latter always having a tendency to
race and cause **PRICE** rises.

So wage-earners are encouraged to put
their **LOLLI** in the two expansion tanks...

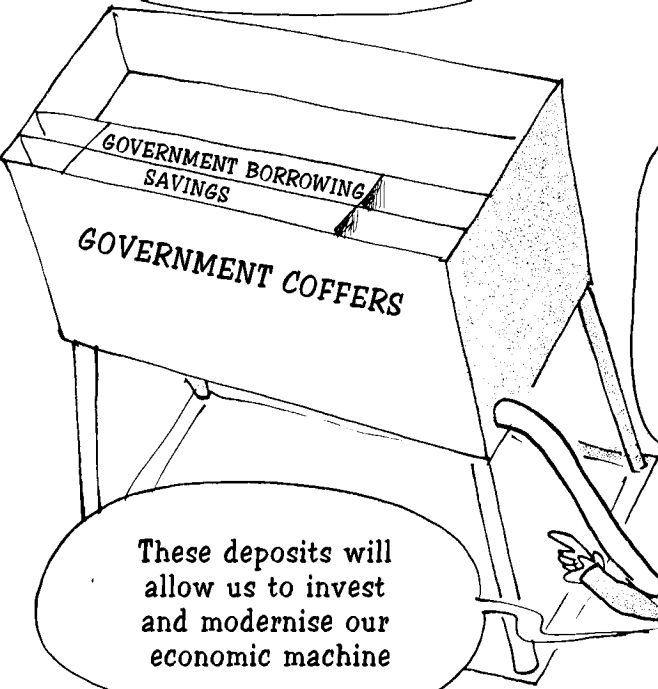
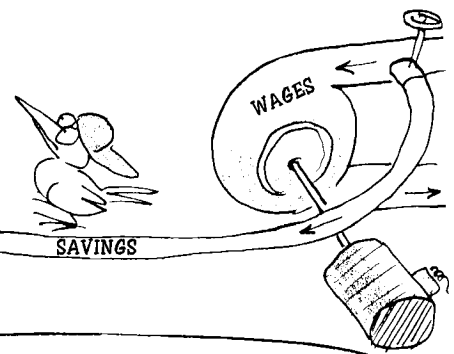


There is no reason why you shouldn't participate in this wonderful movement of growth in our economy. I'll offer you a special compartment (*) in my LOLLI trough where you can put yours. In that way the level will follow the general increase in the volume of KAPITAL



There's no risk. I'll guarantee you a certain annual income. Make your LOLLI work for you.

These deposits will allow us to invest and modernise our economic machine



Put your LOLLI in a safe place, think of your FUTURE. I'll guarantee you a certain annual income and if you invest your savings for long enough, I'll do a little something for you concerning taxes.

These deposits will allow us to invest and modernise our economic machine



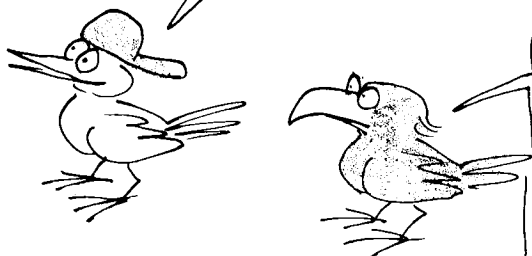
Hmm...



(*) Private banks, stocks and shares

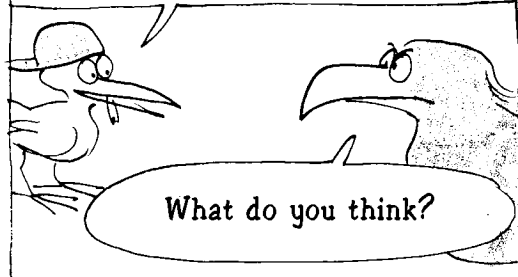
A SHORT WHILE LATER...

They don't give us much but look,
the volume has gone up slightly
all the same.



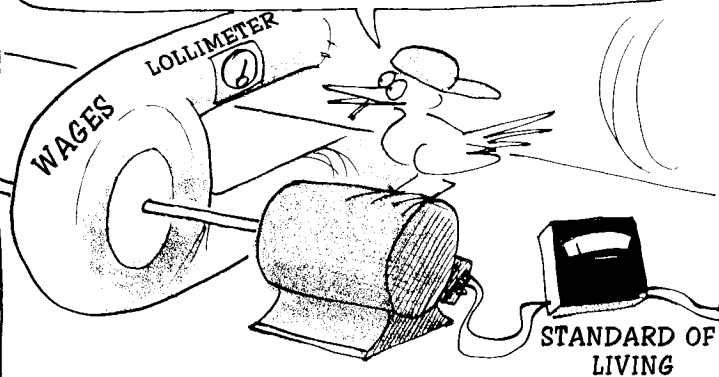
You're too naive. Economic activity
is increasing. New production units
are being built as there is growth
in the total mass of ERGOL, but they
put so many bubbles in the mix that
the DENSITY of the LOLLI never stops
falling. In the end you lose out.

Do you mean that when we
have saved, increased the
amount of ERGOL, the dense
part of the mix FALLS
instead of increasing?



What do you think?

But our wages have gone up, look,
the flow has almost doubled.



But all these turbines, it's
just WIND, LOLLI that is less
and less dense.
Look at the intensity!

CONSUMPTION
PUMP



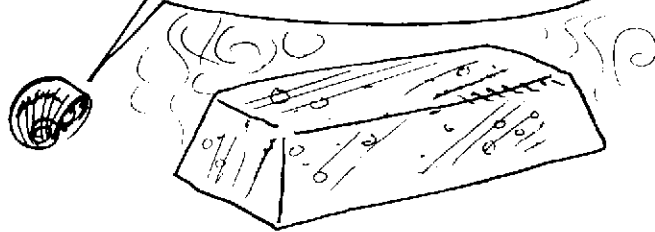
That hasn't gone up much has it?

Real **ECONOMIC GROWTH** isn't the volume of **LOLLI** but of the **ERGOL** contained in it.
The same for the **STANDARD OF LIVING**, it's not the flow rate (wages) but it's intensity (**BUYING POWER**).

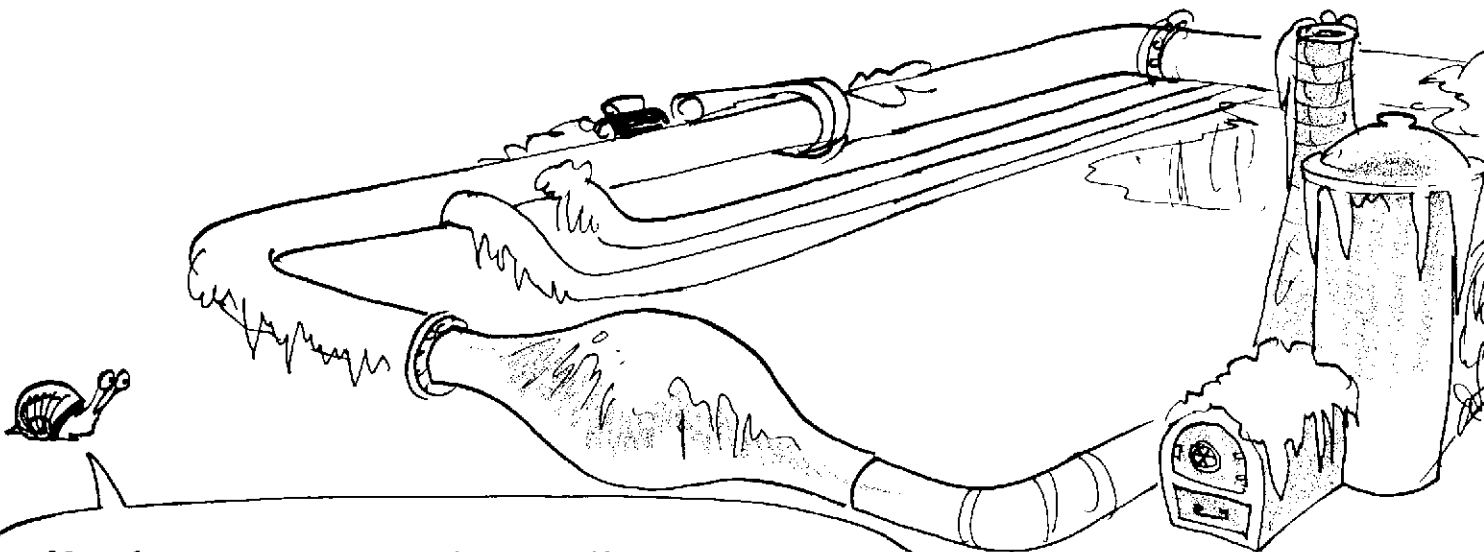
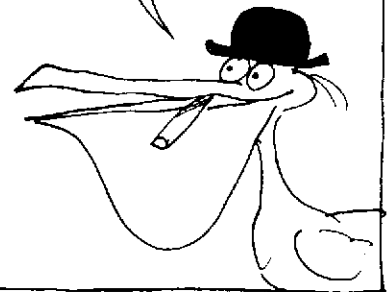
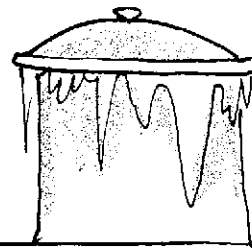


Well isn't there another way to put **LOLLI** aside?

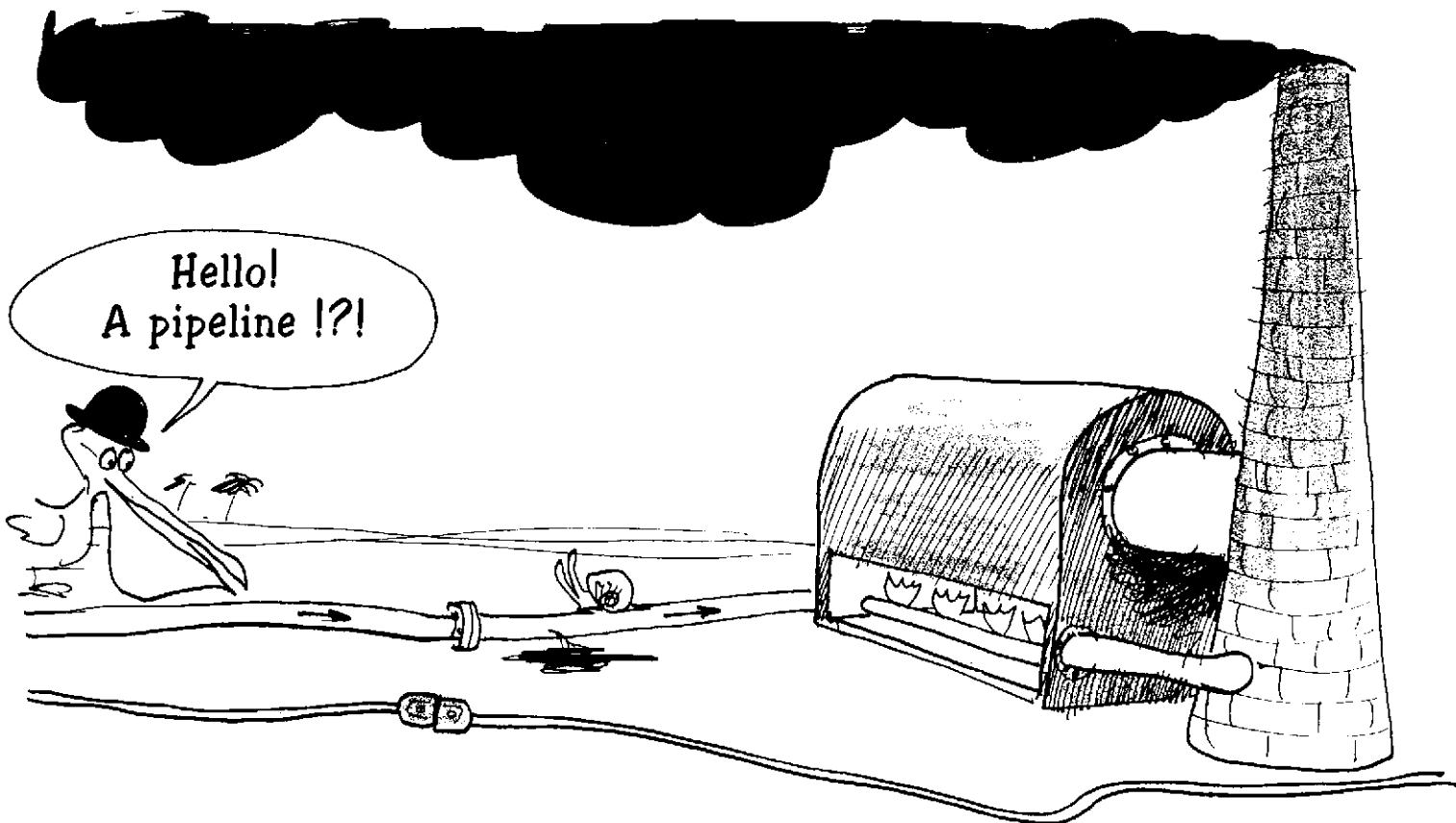
To ensure it has a **CONSTANT MASS** all you need ot do is freeze it.



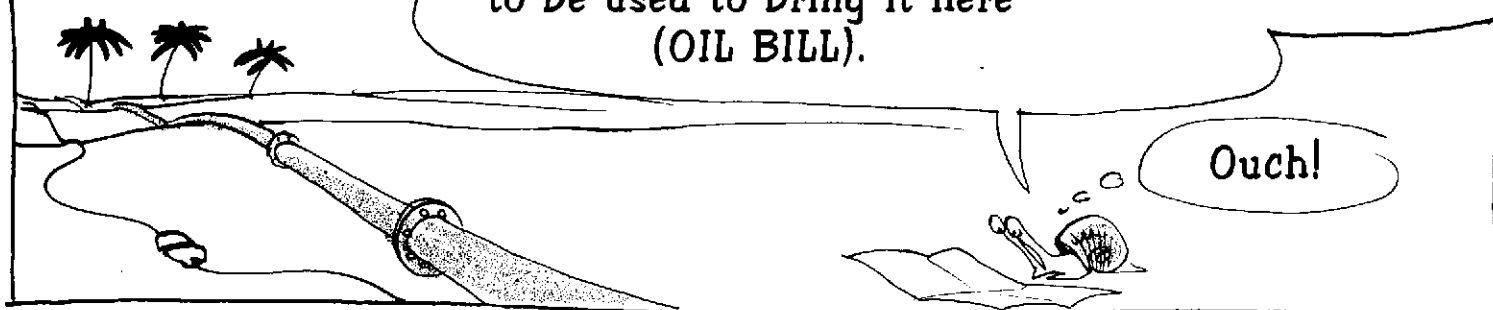
Good idea. To avoid **INFLATION**, the evil that eats away at economies, we just need to freeze everything!



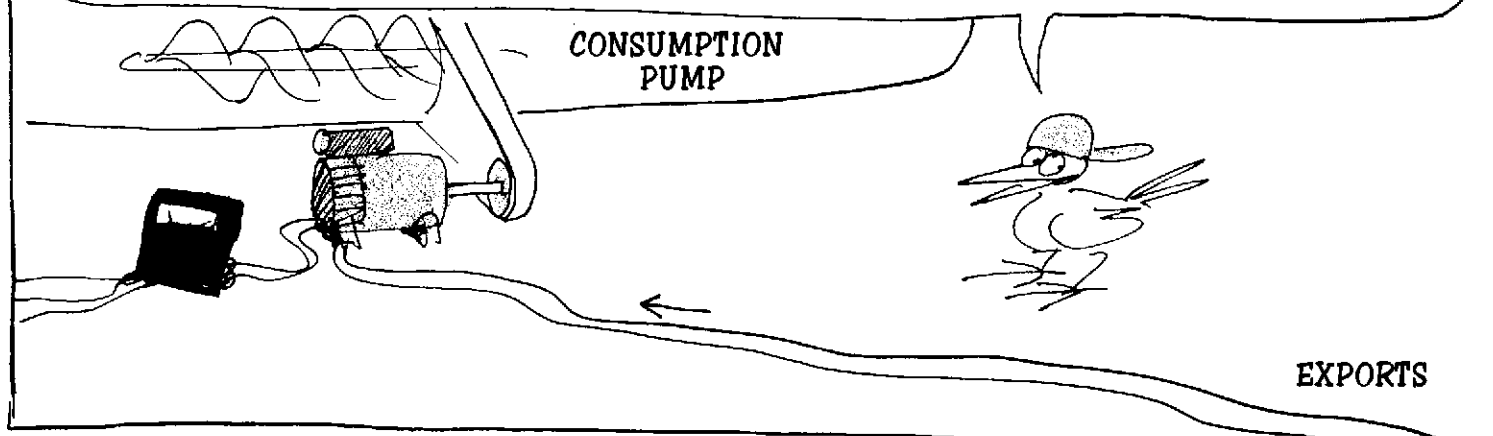
Yes but then **LOLLI** loses all its interest, which is in its **FLUIDITY**, the **FREEZING OF CAPITAL** would block the economic machine completely



The boiler of the economic machine is heated with that precious liquid that comes from a faraway, desert region. A great deal of energy needs to be used to bring it here
(OIL BILL).



In exchange, the line coming from the desert is always fed, good day and bad, by the CONSUMPTION PUMP (EXPORTS) (*)



(*) The INTERNATIONALISATION OF THE ECONOMY will be covered in another album: THE INTERNATIONAL INFLATOTRON.

THE PETROL CRISIS

Ah, there's the SINISTER



Lets have a look
at the post.



oh dear!..



Oh dear,
oh dear!..



They've put the price up!

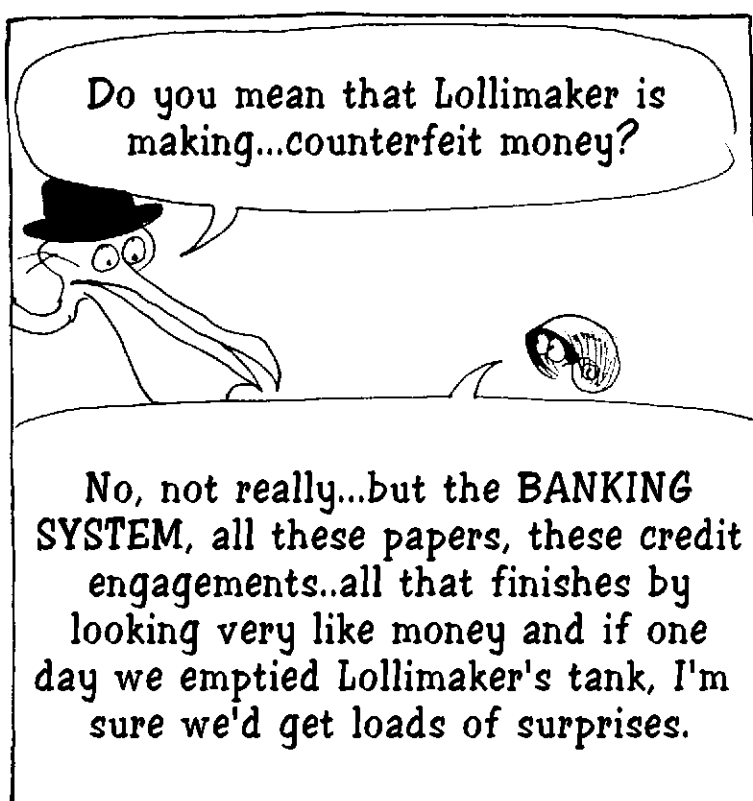
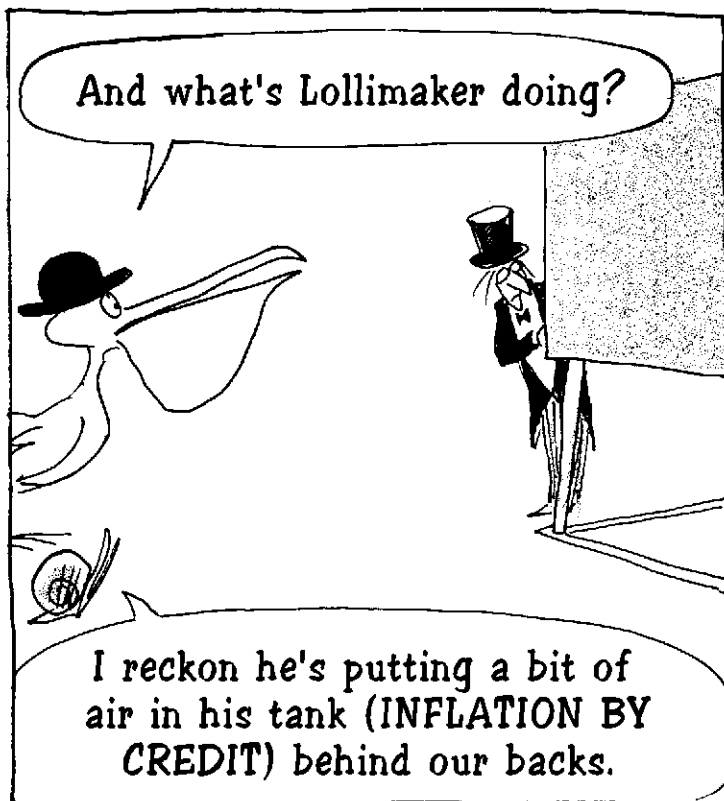
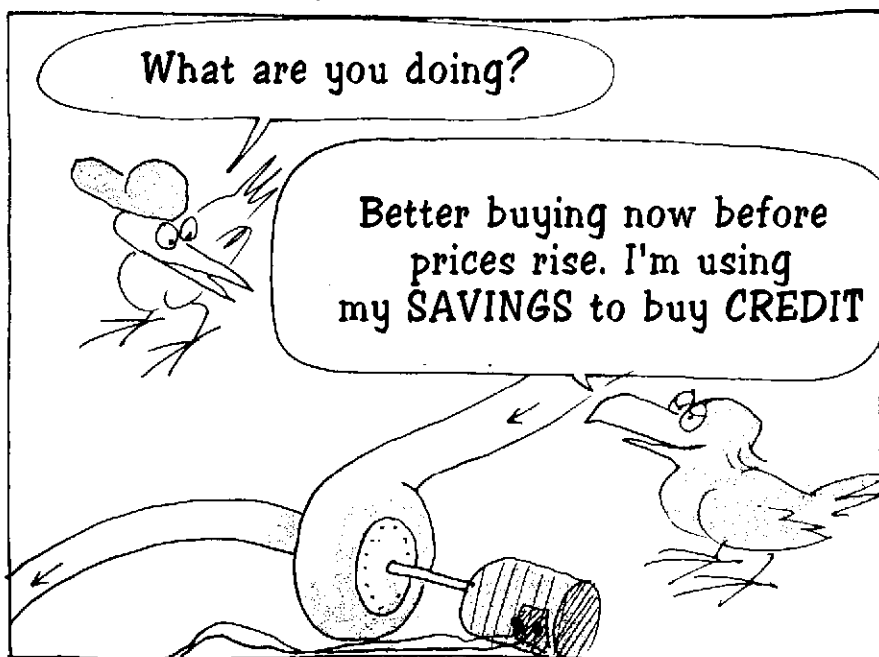
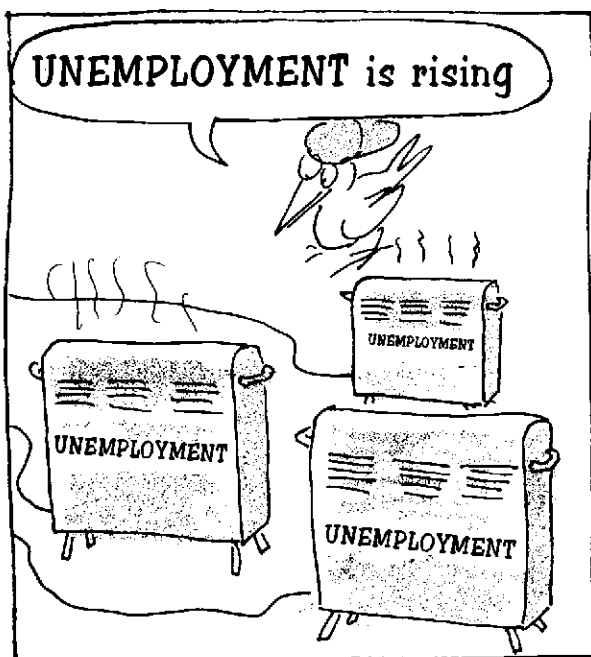
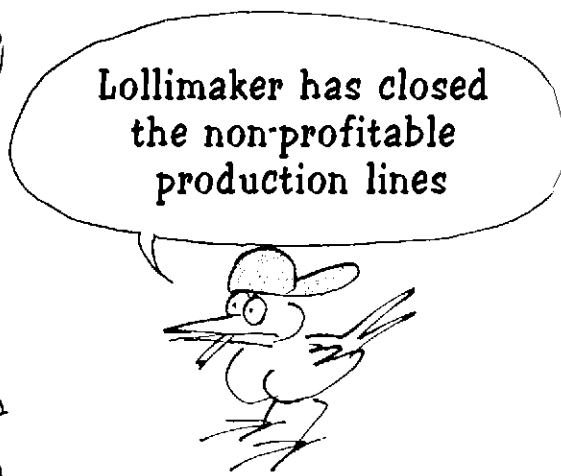
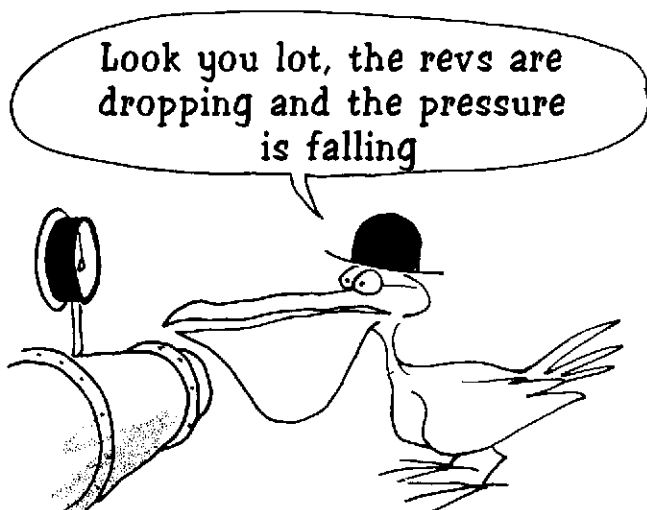
Oh, my footbath is getting cold!



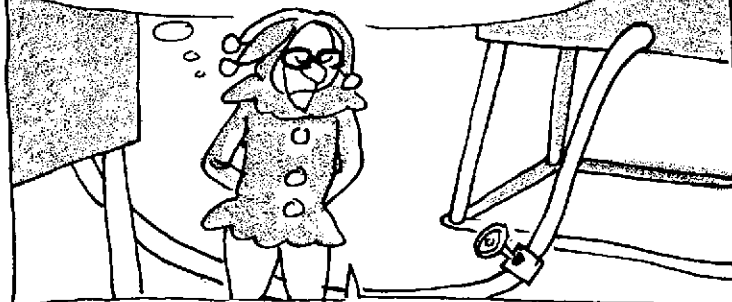
PRODUCTION
COSTS

It's normal, the current
is going haywire in the
PRODUCTION COST line

SOCIAL CHARGES

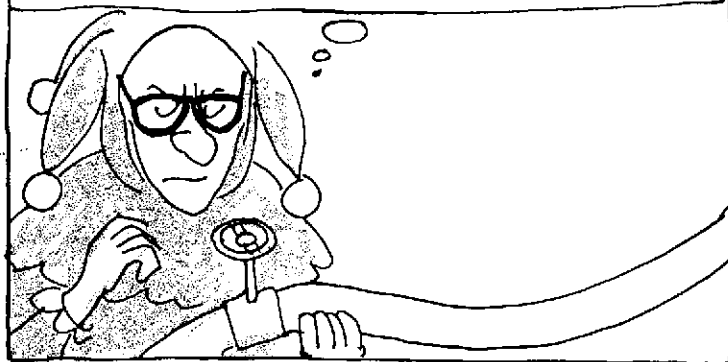


The use of CREDIT and the loss of CONFIDENCE, have set CONSUMPTION racing and prices SKY HIGH

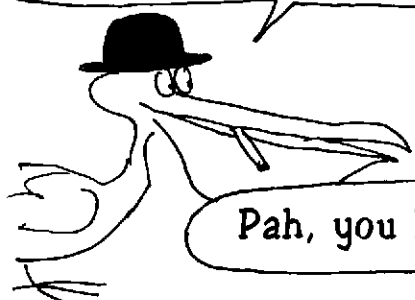


We've got to stop this overuse of credit.

Lollimaker lends too much LOLLI to people. In fact, I lend him money!



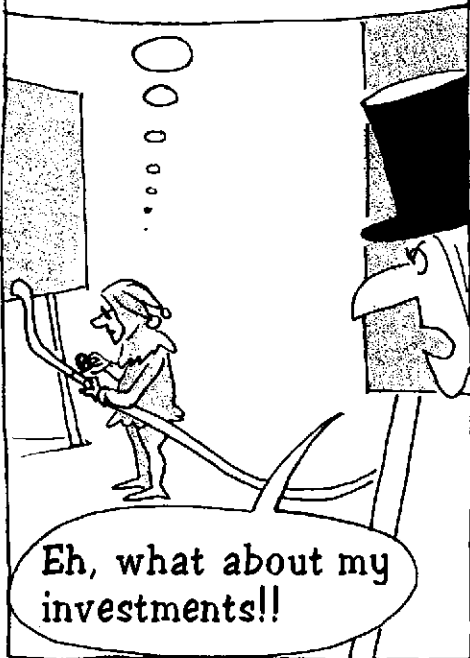
So, everybody lends to everybody?



Pah, you know there's an awful lot of wind in these loans.

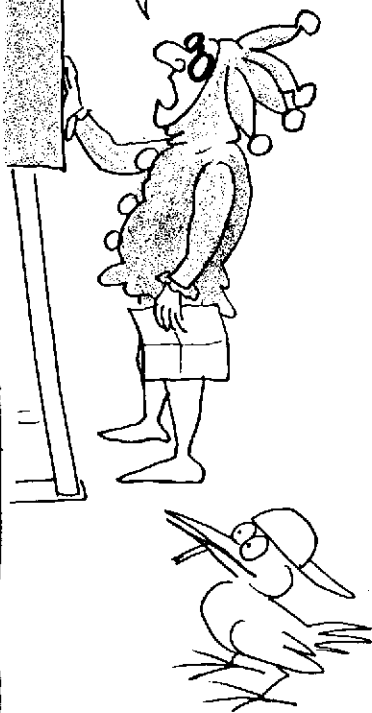


I'm going to reduce his credit, that'll make him think twice before lending all over the place...



Eh, what about my investments!!

OK, well I've been playing around with this credit business but the government coffers are emptying at an alarming rate.

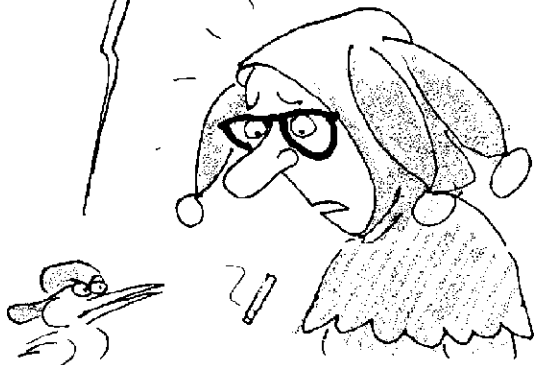


What can we do? Increase direct taxes?..indirect taxes?..tax on company profits?..



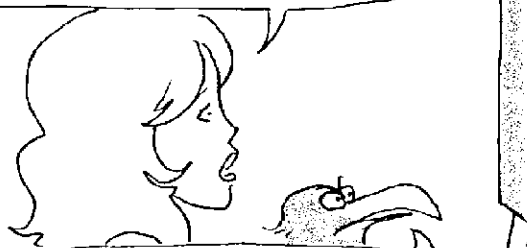
All taxes then...

We demand increases
in output

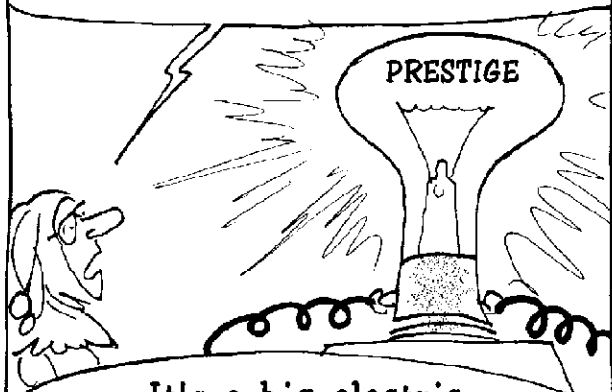


Mr SINISTER, the pressure is
falling in the pipes, the
BAROMETER is dropping too.

Hey, the tank is almost empty!

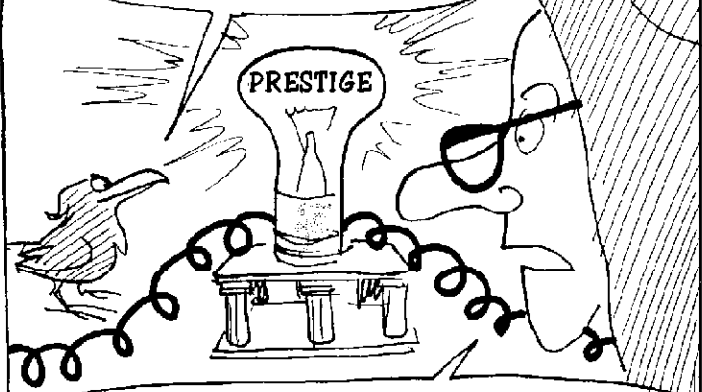


Who stuck up this
peculiar thing?



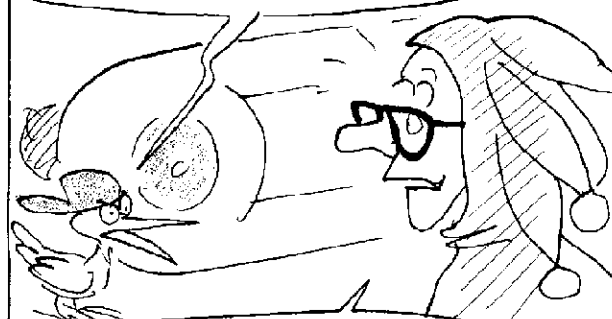
It's a big electric
bulb, fed by the
government coffers.

That way we can see
it from miles away.



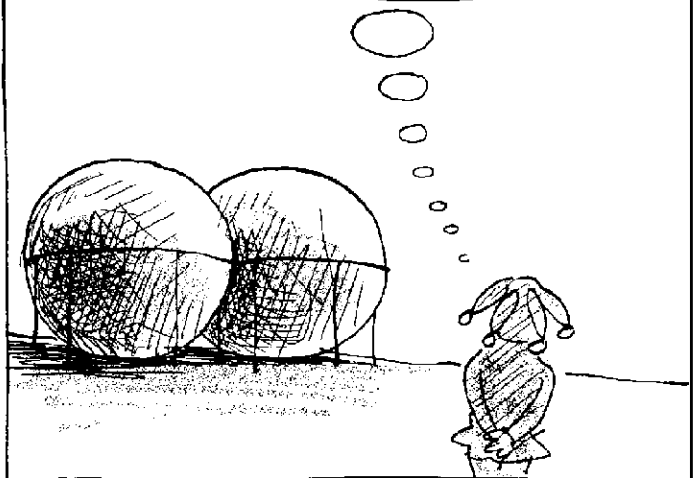
What!? Turn all that off
immediately if not we'll be shot!

Increase the flow if
not we'll stop working.



Yes, yes...straight away.

Hmm, there's only one
solution left





What's the SINISTER doing?

He's hooking up these
big tanks into the
LOLLI circuit

and refeeding the
government coffers.

These reserves are enormous, they're
lifesavers. Its very reassuring. But
whats in them?

I haven't
the slightest
idea.

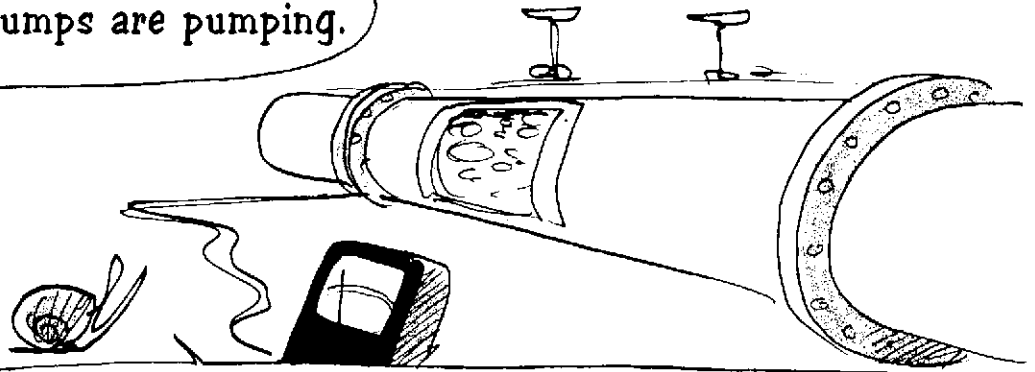
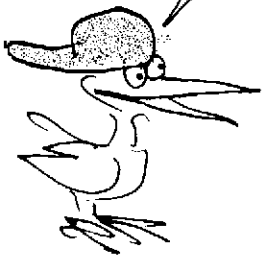
Ah, the flow is
increasing at last.
About time too.

WRROAWRRR

Good intensity.
The consumption pump
is working at last.

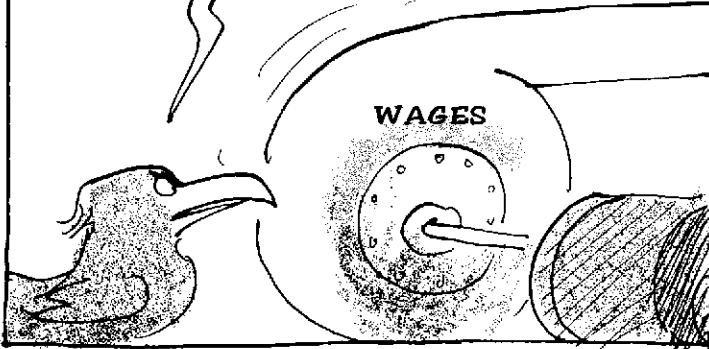
Hey! Careful, look at these prices!!

Still, it doesn't matter, the machine is working better, and the pumps are pumping.



Yes but look, intensity is dropping everywhere.

It's not normal. We're working as hard as we can and nothing is happening



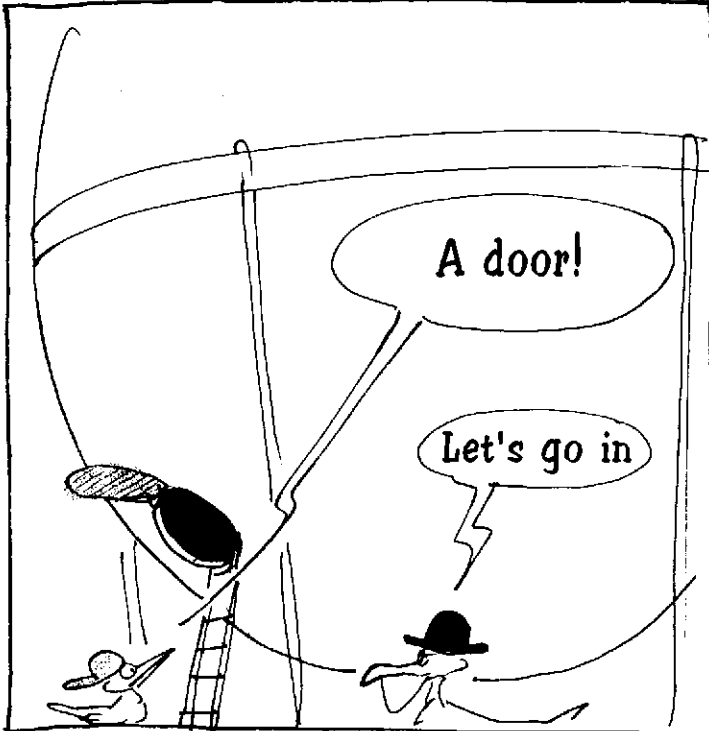
What did the SINISTER put in the economic fluid?!?!



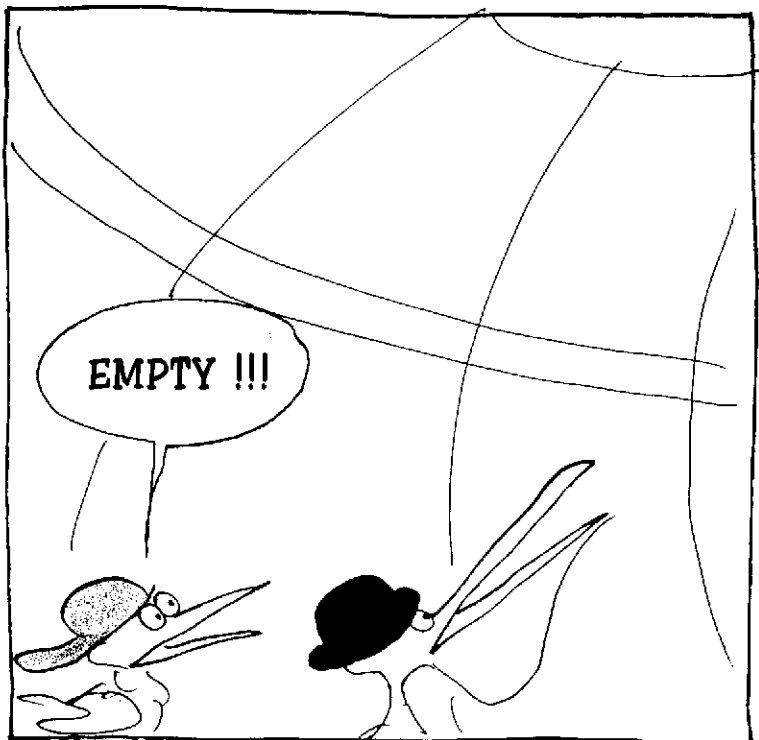
Let's have a closer look at these tanks.

A door!

Let's go in



EMPTY !!!



You mean to say that these tanks
have **ALREADY** been emptied?



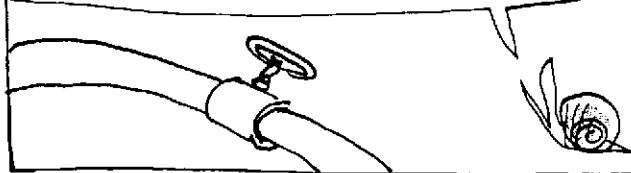
No, they've **ALWAYS**
BEEN EMPTY!

A sort of
ECONOMIC VACUUM?

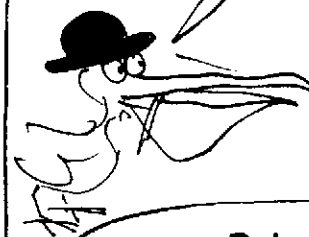


Pure, unadulterated **NOTHING?**

When things are going badly, all
SINISTERS are the same. They inject
an enormous quantity of **WIND** into
the circuits. At the beginning that
helps the **LOLLI**, **STIMULATES** it.



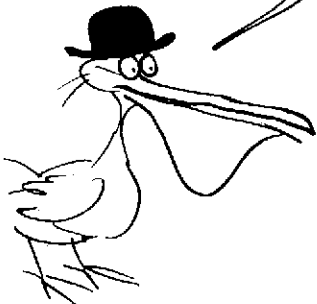
But all that homogenises
with the result that **LOLLI**
loses density.



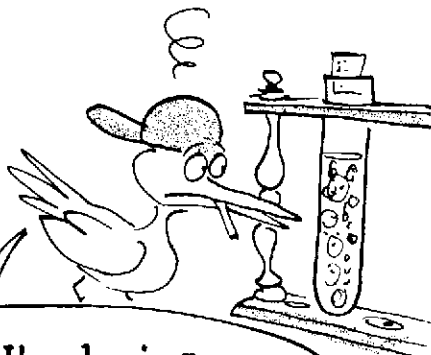
Prices rise.



SAVINGS depreciate.

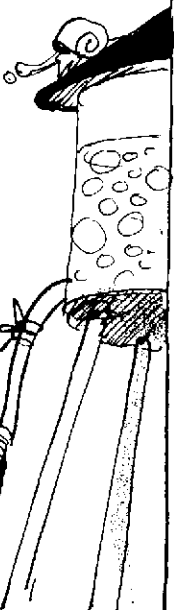


Blow, I'm losing
my savings too.



CAPITAL too

LOLLIMAKER!



A flight of capital!
Huh, the villain!!!



We've arrived just in time!..



Lollimaker, I need
your capital

don't be
childish !

where's he gone?



Eh? Frozen!!!



He's left a note...

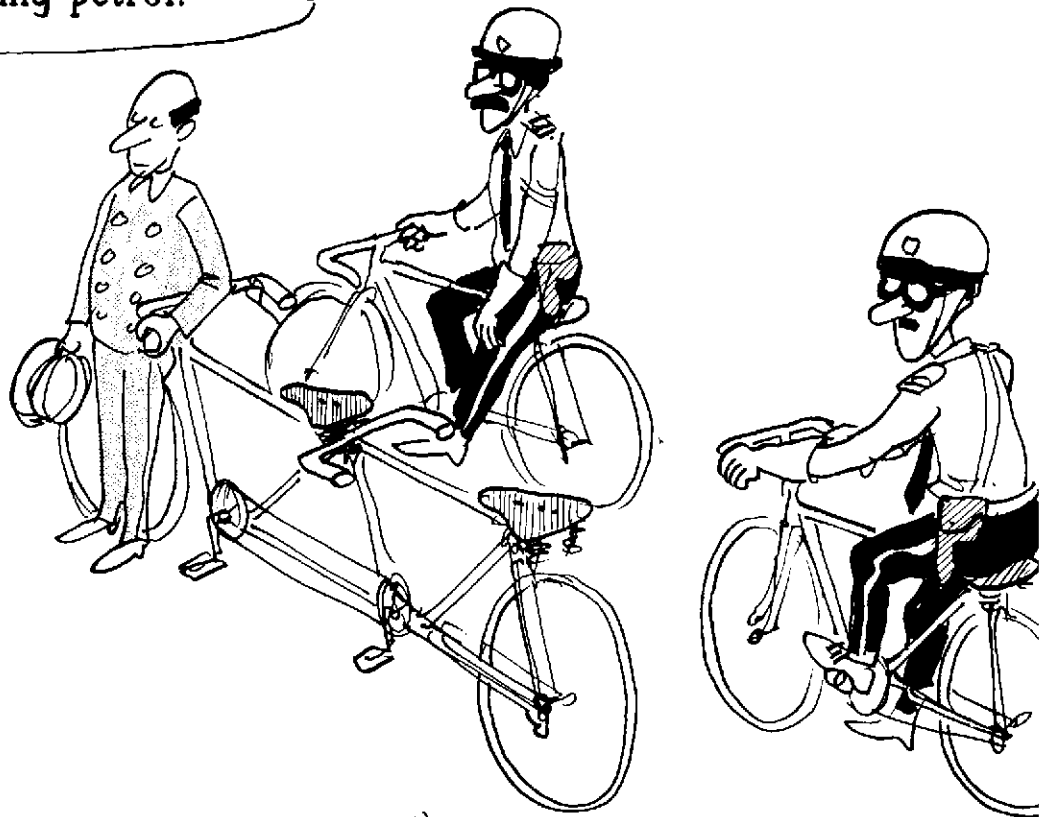
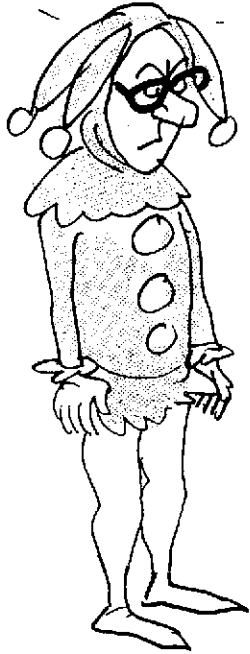


Block wages, reduce taxes on
company profits and social charges,
and give us subsidies to invest

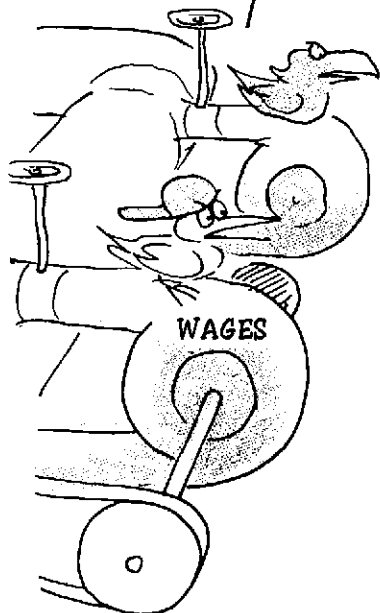
Mr Lollimaker

But **BUYING POWER** will drop, people will complain
and the consumption pump will slow down even further.

Let's start by economising
some of this blinking petrol!



LOLLI isn't worth anything
anymore. Increase the flow!!



We told you so!

Madness!

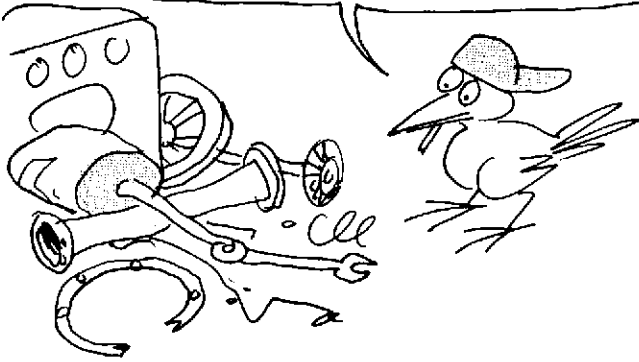
certain ruin!..

In fact when
I was Sinister,
it wasn't any
worse...



EPILOGUE

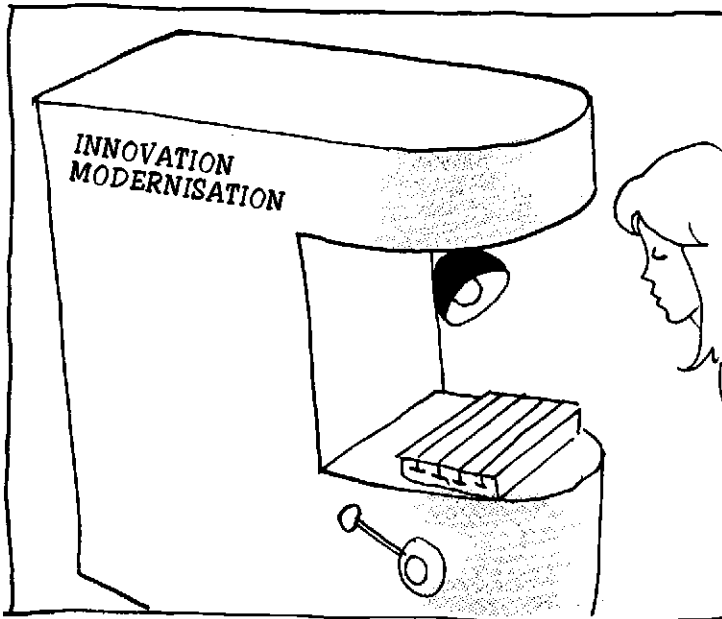
Look, another production unit that has been dismantled.



Well have to make another one, lot of others...



MINISTER...

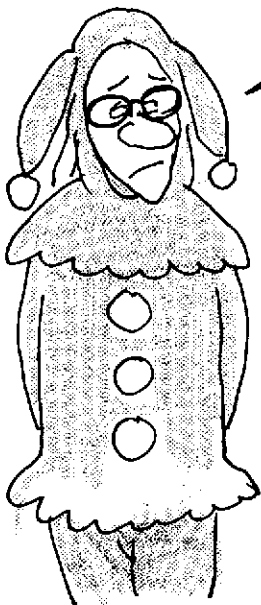


What if I created another ministry?..or a Secretary of State?..



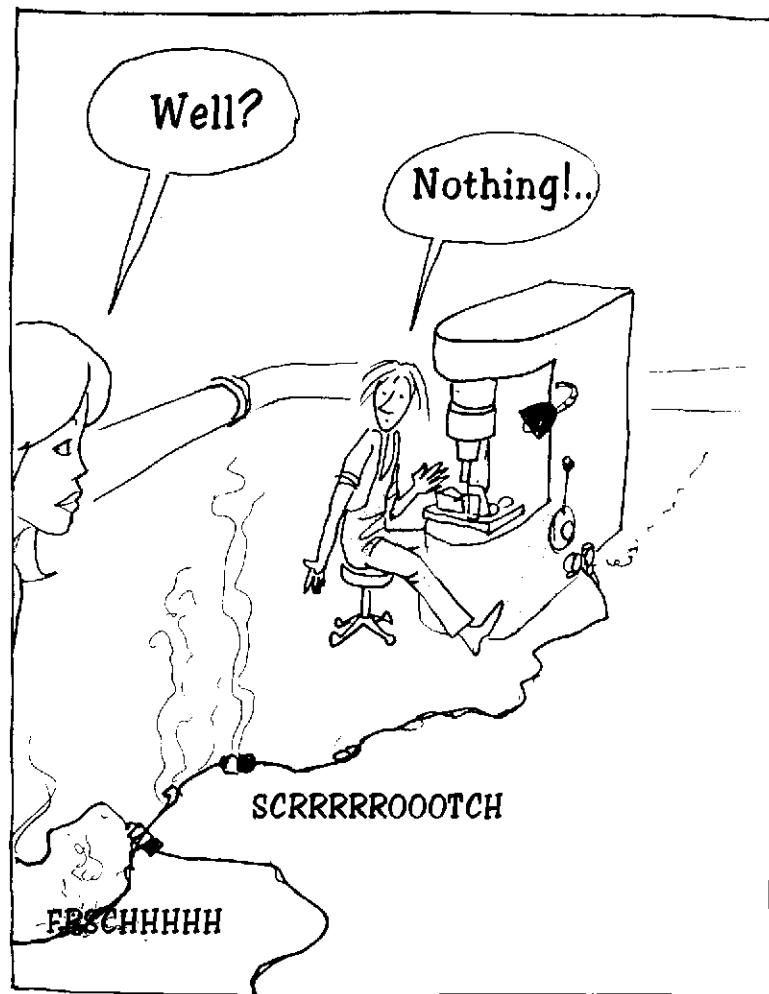
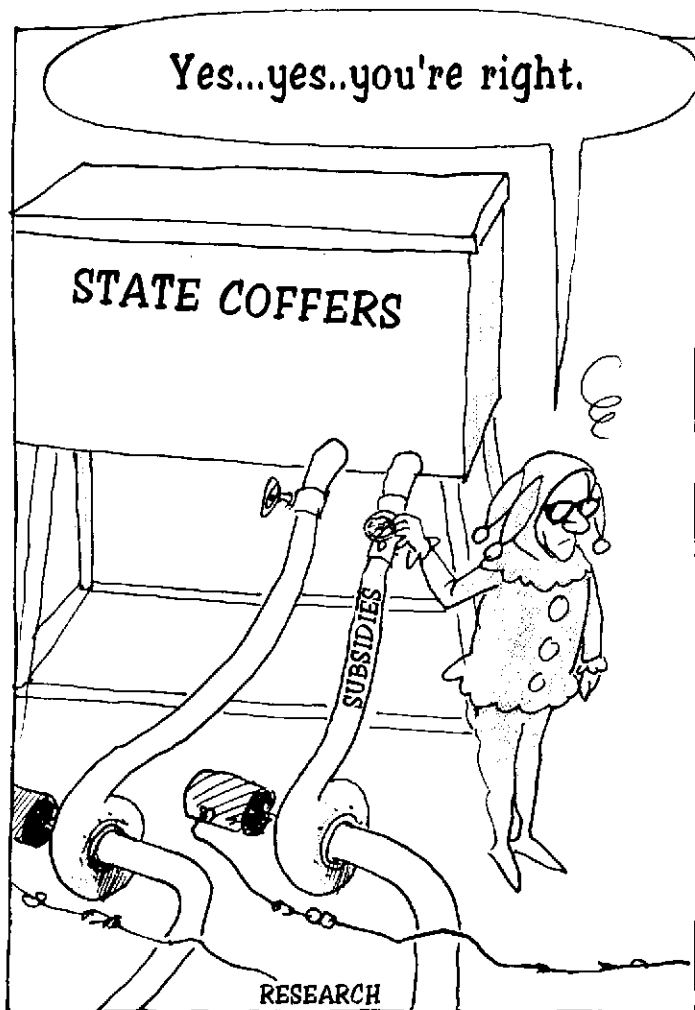
Yes?

Minister, the only solution is a leap forward. We have to **INNOVATE**, create new and modern production tools.

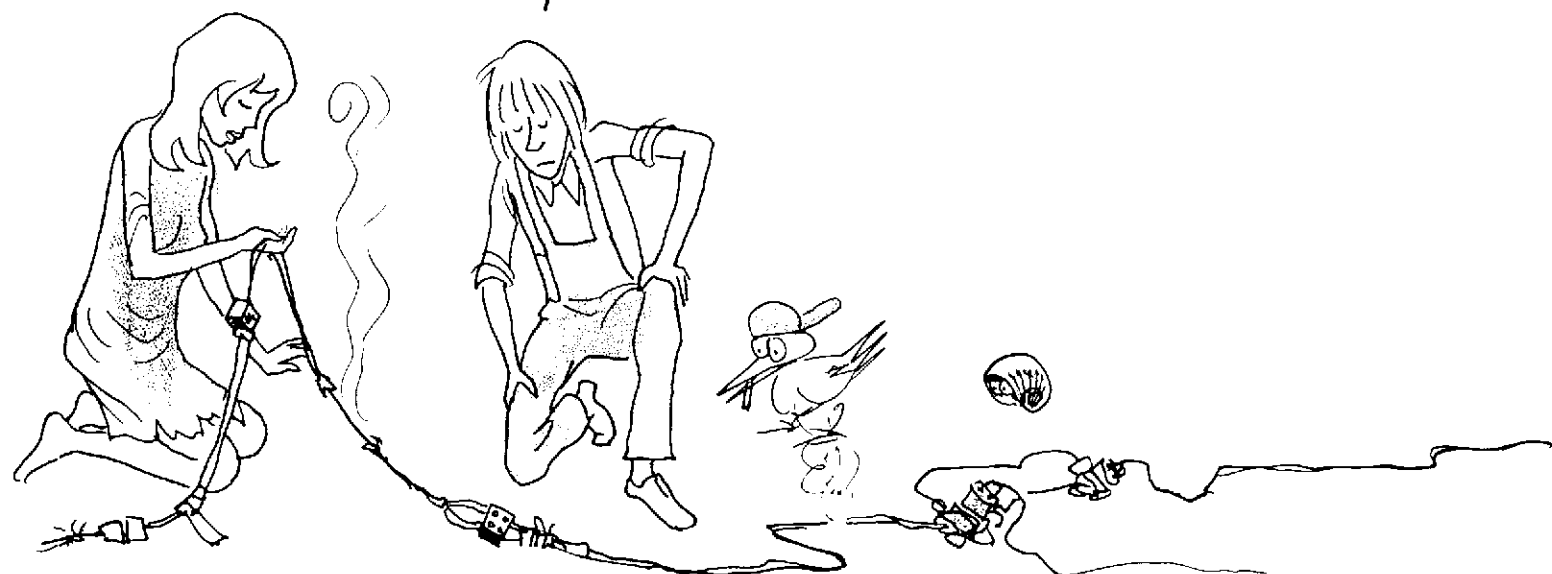


We have to use our **IMAGINATION**.





The problem with this country is leaks on the lines.



THE END